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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 09	JAPIO to be reloaded August 25, 2002
NEWS 20	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 21	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 22	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 23	Aug 26	Sequence searching in REGISTRY enhanced

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
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FILE 'HOME' ENTERED AT 17:26:58 ON 02 SEP 2002

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Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:27:06 ON 02 SEP 2002
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STRUCTURE FILE UPDATES: 1 SEP 2002 HIGHEST RN 446010-91-9
DICTIONARY FILE UPDATES: 1 SEP 2002 HIGHEST RN 446010-91-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

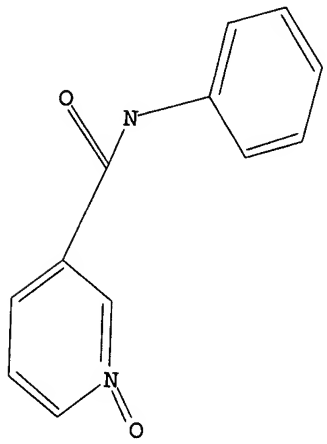
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10015861oxide.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=>  s l1
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SAMPLE SCREEN SEARCH COMPLETED -     26 TO ITERATE

100.0% PROCESSED      26 ITERATIONS                                  16 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          215 TO      825
PROJECTED ANSWERS:              80 TO      560

L2            16 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 17:27:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    580 TO ITERATE

100.0% PROCESSED     580 ITERATIONS                                 345 ANSWERS
SEARCH TIME: 00.00.01

L3           345 SEA SSS FUL L1

=> file uspatall
COST IN U.S. DOLLARS

                                                    SINCE FILE      TOTAL
                                                       ENTRY     SESSION
FULL ESTIMATED COST                                   140.28      140.49

FILE 'USPATFULL' ENTERED AT 17:27:37 ON 02 SEP 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 17:27:37 ON 02 SEP 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l3
L4            6 L3
```

Print selected from Online session02/09/2002

=> d abs bib hitstr 1-6

L4 ANSWER 1 OF 6 USPATFULL

AB Disclosed are compounds of the general formula ##STR1##

which are oxamide derivatives and inhibitors of the enzyme inosine monophosphate dehydrogenase (IMPDH).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:99612 USPATFULL

TI Oxamide IMPDH inhibitors

IN Broadhurst, Michael J., Hertfordshire, UNITED KINGDOM
Hill, Christopher H., Hertfordshire, UNITED KINGDOM
Hurst, David N., Hertfordshire, UNITED KINGDOM
Jones, Philip S., Hertfordshire, UNITED KINGDOM
Kay, Paul B., Hertfordshire, UNITED KINGDOM
Kilford, Ian R., Hertfordshire, UNITED KINGDOM
McKinnell, Robert M., London, UNITED KINGDOM

PI US 2002052513 A1 20020502

AI US 2001-779116 A1 20010208 (9)

PRAI GB 2000-4392 20000224
GB 2000-15877 20000628
GB 2000-20322 20000817

Date not good

DT Utility

FS APPLICATION

LREP HOFFMANN-LA ROCHE INC., PATENT LAW DEPARTMENT, 340 KINGSLAND STREET, NUTLEY, NJ, 07110

CLMN Number of Claims: 74

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 6358

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

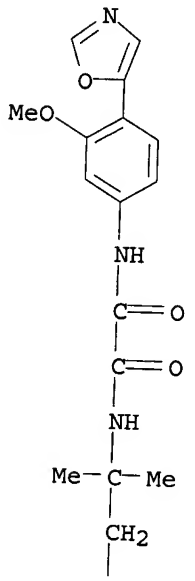
IT **357180-48-4P**

(prepn. of azolylphenyl oxamides as inosine monophosphate dehydrogenase (IMPDH) inhibitors)

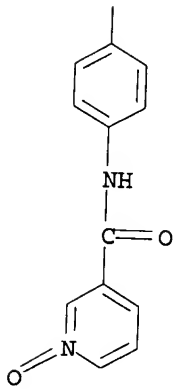
RN 357180-48-4 USPATFULL

CN Ethanediamide, N-[1,1-dimethyl-2-[4-[[(1-oxido-3-pyridinyl)carbonyl]amino]phenyl]ethyl]-N'-[3-methoxy-4-(5-oxazolyl)phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



L4 ANSWER 2 OF 6 USPATFULL

AB The present invention is directed to substituted nicotinamides and analogs thereof, represented by Formula V: ##STR1##

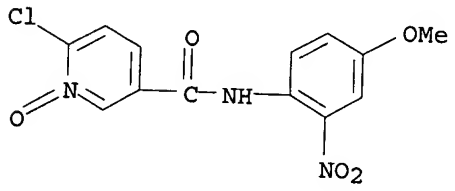
or a pharmaceutically acceptable salt or prodrug thereof, wherein:

Ar' and Ar are independently optionally substituted aryl or optionally substituted heteroaryl, provided that the ring structure of said optionally substituted heteroaryl comprises not more than two nitrogen atoms; and

R.sub.11 is hydrogen; or alkyl, cycloalkyl, aryl or heteroaryl, each of which is optionally substituted.

The present invention also relates to the discovery that compounds having Formula V are activators of caspases and inducers of apoptosis. Therefore, the compounds of this invention may be used to induce cell death in a variety of clinical conditions in which uncontrolled growth and spread of abnormal cells occurs.

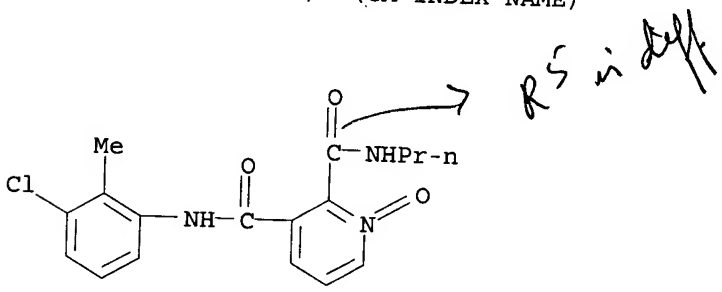
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:17305 USPATFULL
TI Substituted nicotinamides and analogs as activators of caspases and inducers of apoptosis and the use thereof
IN Cai, Sui Xiong, San Diego, CA, UNITED STATES
Drewe, John A., Carlsbad, CA, UNITED STATES
PA Cytovia, Inc. (U.S. corporation)
PI US 2002010185 A1 20020124
AI US 2001-769420 A1 20010126 (9)
PRAI US 2000-177648P 20000127 (60)
DT Utility
FS APPLICATION
LREP STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE 600, WASHINGTON, DC, 20005-3934
CLMN Number of Claims: 73
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 2408
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **352228-60-5P**
(prepn. of benzamides, nicotinamides, pyrimidinecarboxamides, pyrrolylcarboxamides, and analogs as activators of caspase and inducers of apoptosis and use thereof)
RN 352228-60-5 USPATFULL
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-methoxy-2-nitrophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



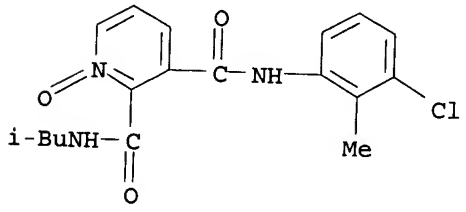
L4 ANSWER 3 OF 6 USPATFULL
AB The present invention provides a pyridine-2,3-dicarboxylic acid diamide derivatives represented by the following formula (I) and herbicides containing them as an active ingredient. ##STR1## [wherein R.sub.1 represents one to three substituents such as H, halogen, cyano, nitro, (halo)alkyl, (halo)alkoxy, (halo)alkylthio, (C.sub.3-6)cycloalkyl, alkenyl, alkynyl, substituted phenyl, substituted phenoxy, etc. and R.sub.1 may represent alkylene or alkenylene together with an adjacent carbon atom; R.sub.2 represents H, halogen, cyano, nitro, (halo)alkyl or (halo)alkoxy; R.sub.3 represents H or alkyl; R.sub.4 and R.sub.5 each represent H, (halo)alkyl, cycloalkyl, substituted cycloalkylalkyl, etc.; and n represents an integer of 0 or 1].

The present compounds exhibit excellent effect for controlling paddy field weeds and the like.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 1998:150872 USPATFULL
TI Pryidine-2,3-dicarboxylic acid diamide derivatives and herbicides comprising said derivatives as active ingredient
IN Tonishi, Masanori, Sakai, Japan
Katsuhira, Takeshi, Kawachinagano, Japan
Ohtsuka, Takashi, Tondabayashi, Japan
Miura, Yuzo, Tondabayashi, Japan
PA Nihon Nohyaku Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 5843868 19981201
AI US 1997-825642 19970401 (8)
PRAI JP 1996-104580 19960402
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane
LREP Cushman Darby & Cushman IP Group of Pillsbury Madison & Sutro LLP
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1833
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **197918-70-0P 197918-74-4P**
(prepn. of pyridine-2,3-dicarboxamides as herbicides)
RN 197918-70-0 USPATFULL
CN 2,3-Pyridinedicarboxamide, N3-(3-chloro-2-methylphenyl)-N2-propyl-, 1-oxide (9CI) (CA INDEX NAME)



RN 197918-74-4 USPATFULL
CN 2,3-Pyridinedicarboxamide, N3-(3-chloro-2-methylphenyl)-N2-(2-methylpropyl)-, 1-oxide (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 6 USPATFULL
AB A compound of the formual (I) ##STR1## or 1-oxide or salt thereof,

wherein

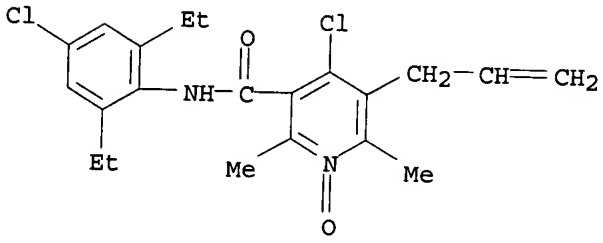
R.sub.1 is a C.sub.1-11 alkyl group, a lower alkenyl group, a phenyl or group which may be substituted, an aralkyl group whose nucleus may be substituted, a haloalkyl or a 5- or 6-membered heterocycle group;

R.sub.2, R.sub.3, R.sub.4, R.sub.5 and R.sub.6 are, the same or different, hydrogen atom, a halogen atom, cyano group, nitro group, amino group, a lower alkyl group, a lower haloalkyl group, hydroxy group, a lower alkoxy group, an aryloxy group, carboxy group or a lower alkoxycarbonyl group;

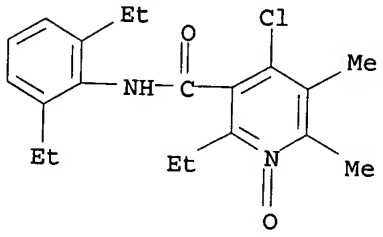
R.sub.7 is hydrogen atom, a halogen atom, a lower alkyl group, a phenyl group which may be substituted, an aralkyl group whose nucleus may be substituted, a lower alkenyl group, a lower alkynyl group, a lower alkoxy group or a haloalkyl group;

R.sub.8 is a C.sub.1-11 alkyl group, a lower alkenyl group, a lower alkynyl group, a cycloalkyl group, a lower alkoxyalkyl group, a lower alkylthioalkyl group, a phenyl group which may be substituted, an aralkyl group whose nucleus may be substituted, a haloalkyl group or a 5 or 6 membered heterocycle group; or R.sub.7 and R.sub.8 may be combined to form a group of --(CH.sub.2).sub.m -- (m is 3 or 4); X is a halogen atom, which can be used as herbicidal compositions.

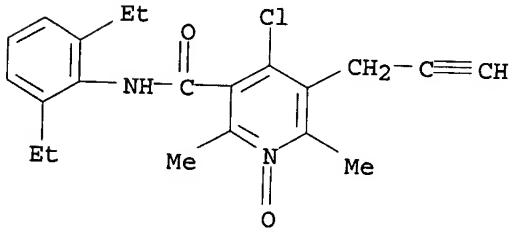
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 90:96528 USPATFULL
TI 4-halopyridine-3-carboxamide compounds and herbicidal compositions thereof
IN Yagihara, Hiroshi, Himeji, Japan
Goto, Yukihisa, Himeji, Japan
Masamoto, Kazuhisa, Arai, Japan
Morishima, Yasuo, Kobe, Japan
Osabe, Hirokazu, Himeji, Japan
PA Daicel Chemical Industries Ltd., Japan (non-U.S. corporation)
PI US 4978385 19901218
AI US 1988-199187 19880526 (7)
PRAI JP 1987-131696 19870529
JP 1987-262333 19871016
DT Utility
FS Granted
EXNAM Primary Examiner: Lee, Mary C.; Assistant Examiner: Richter, J.
LREP Bryan, Cave, McPheeters & McRoberts
CLMN Number of Claims: 30
ECL Exemplary Claim: 1,11
DRWN No Drawings
LN.CNT 1211
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **119766-03-9P 119766-33-5P 119766-49-3P**
119766-50-6P
(prepn. of, as herbicide)
RN 119766-03-9 USPATFULL
CN 3-Pyridinecarboxamide, 4-chloro-N-(4-chloro-2,6-diethylphenyl)-2,6-dimethyl-5-(2-propenyl)-, 1-oxide (9CI) (CA INDEX NAME)



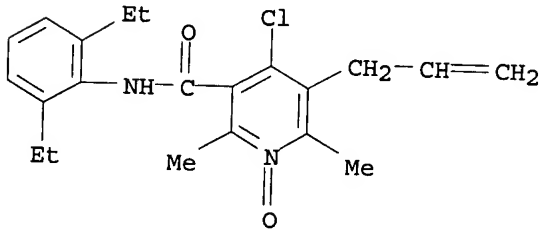
RN 119766-33-5 USPATFULL
CN 3-Pyridinecarboxamide, 4-chloro-N-(2,6-diethylphenyl)-2-ethyl-5,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)



RN 119766-49-3 USPATFULL
CN 3-Pyridinecarboxamide, 4-chloro-N-(2,6-diethylphenyl)-2,6-dimethyl-5-(2-propynyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 119766-50-6 USPATFULL
CN 3-Pyridinecarboxamide, 4-chloro-N-(2,6-diethylphenyl)-2,6-dimethyl-5-(2-propenyl)-, 1-oxide (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 6 USPATFULL
AB A compounds of the general formula (I): ##STR1## wherein R.sup.1 is alkyl, lower alkenyl, lower alkynyl, aralkyl, haloalkyl, lower

alkoxy-lower alkyl, lower alkylthio-lower alkyl or lower alkoxycarbonyl-lower alkyl group; R.sup.2 is aryl group which may be substituted by one or more groups of halogen atom, lower alkyl, lower alkoxy, lower alkoxycarbonyl, trifluoromethyl, cyano and nitro group; R.sup.3 and R.sup.4 are, the same or different, lower alkyl, aralkyl, haloalkyl or cycloalkyl, or aryl group which may be substituted by one or more groups of halogen atom, lower alkyl, lower alkoxy, trifluoromethyl, cyano or nitro group; R.sup.5 is hydrogen atom, halogen atom, lower alkyl, phenyl which may be substituted or aralkyl which may be substituted; or R.sup.4 and R.sup.5 may be combined to form a group of --(CH.sub.2).sub.n - in which n is 3 or 4, or its 1-oxide or addition salt. which is useful as a plant growth inhibitory agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 88:14745 USPATFULL

TI 4-(substituted-oxy)-3-pyridinecarboxamides useful as plant growth inhibitory agents

IN Ueda, Yoichiro, Himeji, Japan
Goto, Yukihisa, Himeji, Japan
Masamoto, Kazuhisa, Himeji, Japan
Hirako, Yoshiyuki, Otake, Japan
Yagihara, Hiroshi, Himeji, Japan
Morishima, Yasuo, Kobe, Japan
Osabe, Hirokazu, Himeji, Japan

PA Daicel Chemical Industries Ltd., Osaka, Japan (non-U.S. corporation)

PI US 4730051 19880308

AI US 1986-819144 19860115 (6)

PRAI JP 1985-7665 19850118
JP 1985-171673 19850802
JP 1985-211821 19850925

DT Utility

FS Granted

EXNAM Primary Examiner: Rotman, Alan L.

LREP Stiefel, Gross, Kurland & Pavane

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1380

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **110727-39-4P 110727-40-7P 110727-41-8P**
110727-42-9P 110727-43-0P 110727-44-1P
110727-45-2P 110727-46-3P 110727-47-4P
110727-48-5P 110727-49-6P 110727-50-9P
110727-51-0P 110727-52-1P 110727-53-2P
110727-54-3P 110727-55-4P 110727-56-5P
110727-57-6P 110727-58-7P 110727-59-8P
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110727-66-7P 110727-67-8P 110727-68-9P
110727-69-0P 110727-70-3P 110727-71-4P
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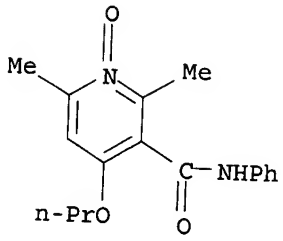
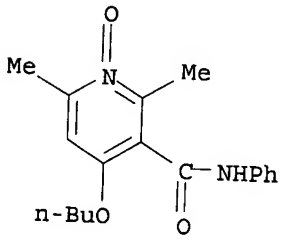
110727-75-8P 110727-76-9P 110727-77-0P
112050-75-6P
(prepn. of, as plant growth inhibitor)

RN 110727-39-4 USPATFULL

CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



RN 110727-40-7 USPATFULL
CN 3-Pyridinecarboxamide, 4-butoxy-2,6-dimethyl-N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)



RN 110727-41-8 USPATFULL
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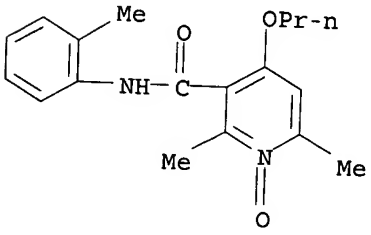
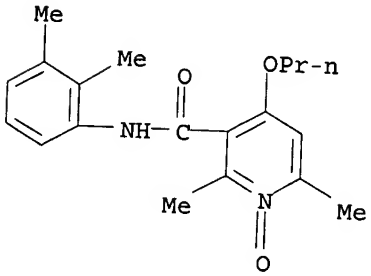
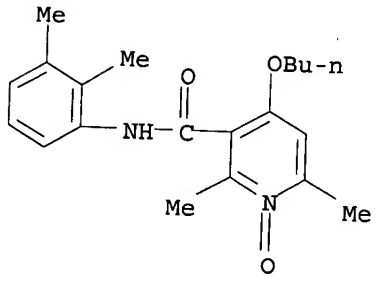


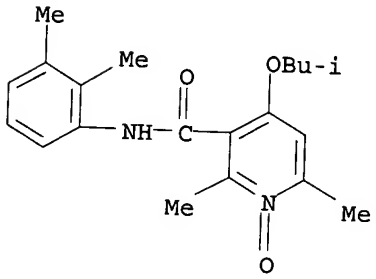
RN 110727-42-9 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-2,6-dimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



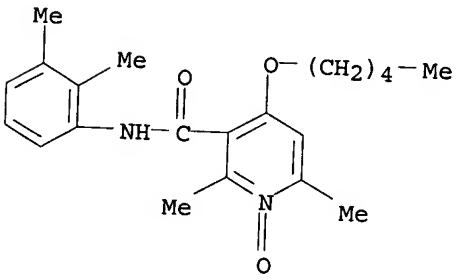
RN 110727-43-0 USPATFULL
CN 3-Pyridinecarboxamide, 4-butoxy-N-(2,3-dimethylphenyl)-2,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)



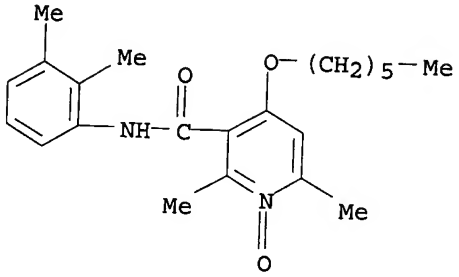
RN 110727-44-1 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-2,6-dimethyl-4-(2-methylpropoxy)-, 1-oxide (9CI) (CA INDEX NAME)



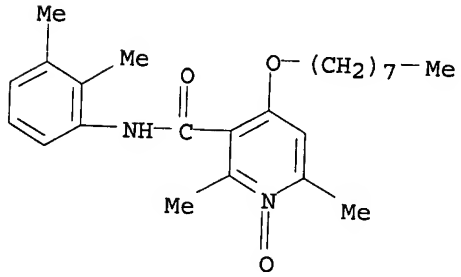
RN 110727-45-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-2,6-dimethyl-4-(pentyloxy)-, 1-oxide (9CI) (CA INDEX NAME)



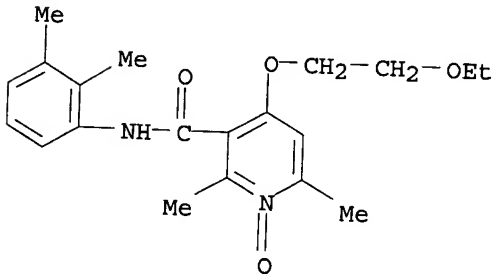
RN 110727-46-3 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-4-(hexyloxy)-2,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)



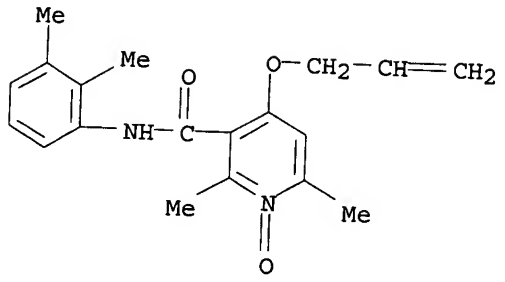
RN 110727-47-4 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-2,6-dimethyl-4-(octyloxy)-, 1-oxide (9CI) (CA INDEX NAME)



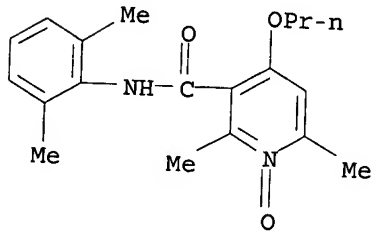
RN 110727-48-5 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-4-(2-ethoxyethoxy)-2,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)



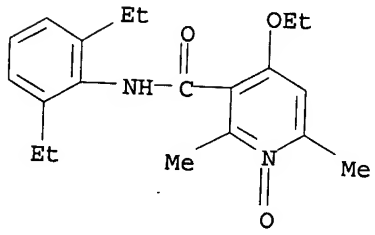
RN 110727-49-6 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-2,6-dimethyl-4-(2-propenyloxy)-, 1-oxide (9CI) (CA INDEX NAME)



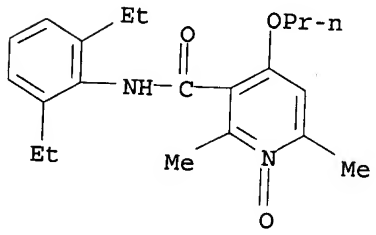
RN 110727-50-9 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-dimethylphenyl)-2,6-dimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



RN 110727-51-0 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-4-ethoxy-2,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)

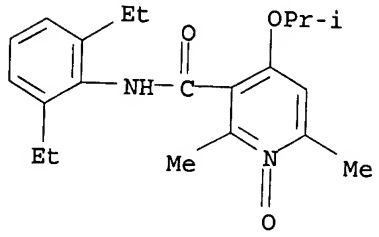


RN 110727-52-1 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,6-dimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)

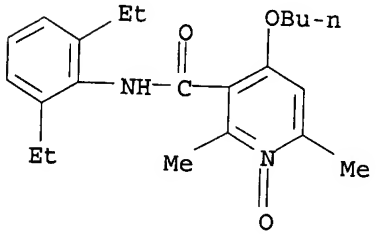


RN 110727-53-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,6-dimethyl-4-(1-

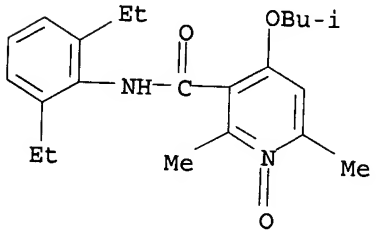
methylethoxy)-, 1-oxide (9CI) (CA INDEX NAME)



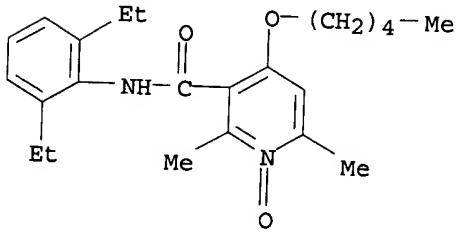
RN 110727-54-3 USPATFULL
CN 3-Pyridinecarboxamide, 4-butoxy-N-(2,6-diethylphenyl)-2,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)



RN 110727-55-4 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,6-dimethyl-4-(2-methylpropoxy)-, 1-oxide (9CI) (CA INDEX NAME)

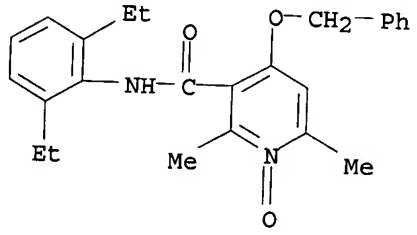


RN 110727-56-5 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,6-dimethyl-4-(pentyloxy)-, 1-oxide (9CI) (CA INDEX NAME)

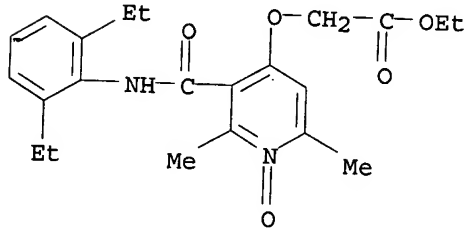


RN 110727-57-6 USPATFULL

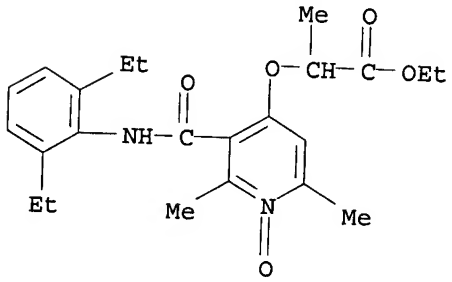
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,6-dimethyl-4-(phenylmethoxy)-, 1-oxide (9CI) (CA INDEX NAME)



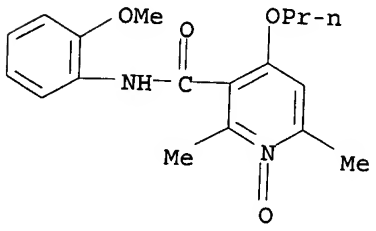
RN 110727-58-7 USPATFULL
CN Acetic acid, [[3-[[(2,6-diethylphenyl)amino]carbonyl]-2,6-dimethyl-1-oxido-4-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

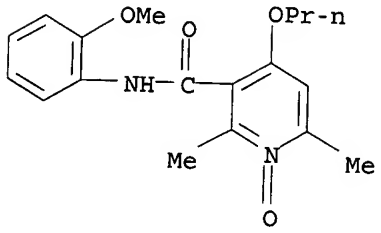


RN 110727-59-8 USPATFULL
CN Propanoic acid, 2-[[3-[[(2,6-diethylphenyl)amino]carbonyl]-2,6-dimethyl-1-oxido-4-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

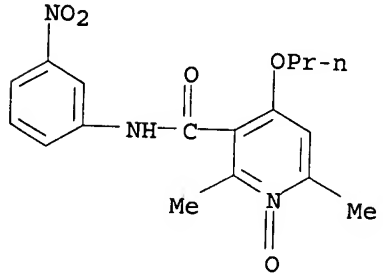


RN 110727-60-1 USPATFULL
CN 3-Pyridinecarboxamide, N-(2-methoxyphenyl)-2,6-dimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)

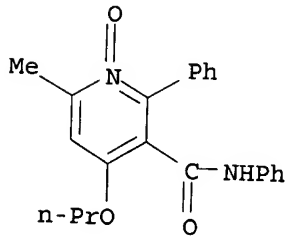




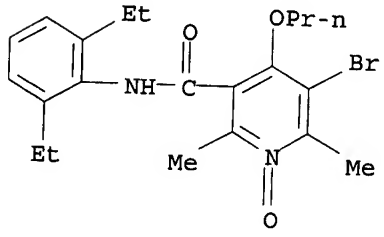
RN 110727-61-2 USPATFULL
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-(3-nitrophenyl)-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



RN 110727-62-3 USPATFULL
CN 3-Pyridinecarboxamide, 6-methyl-N,2-diphenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)

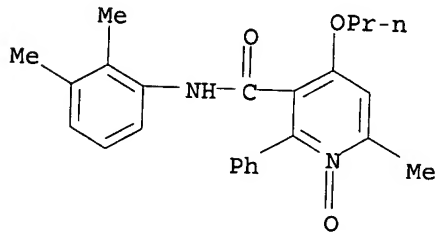


RN 110727-63-4 USPATFULL
CN 3-Pyridinecarboxamide, 5-bromo-N-(2,6-diethylphenyl)-2,6-dimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)

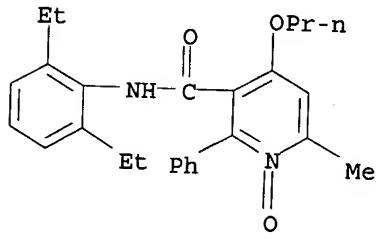


RN 110727-64-5 USPATFULL

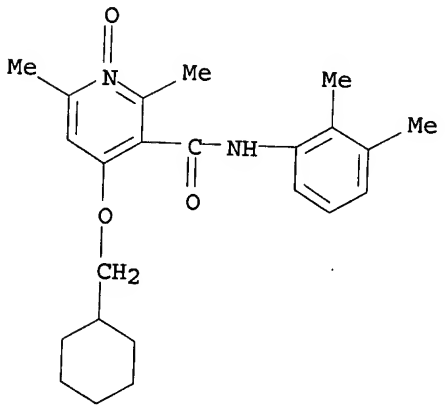
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-6-methyl-2-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



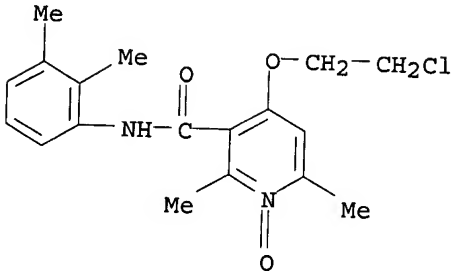
RN 110727-65-6 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-6-methyl-2-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



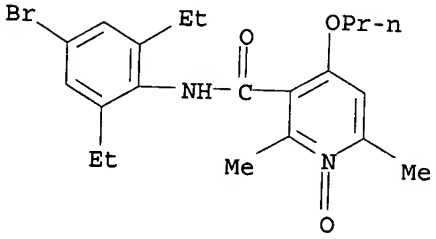
RN 110727-66-7 USPATFULL
CN 3-Pyridinecarboxamide, 4-(cyclohexylmethoxy)-N-(2,3-dimethylphenyl)-2,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)



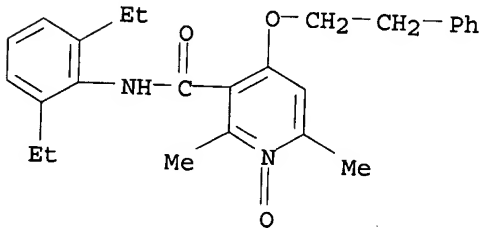
RN 110727-67-8 USPATFULL
CN 3-Pyridinecarboxamide, 4-(2-chloroethoxy)-N-(2,3-dimethylphenyl)-2,6-dimethyl-, 1-oxide (9CI) (CA INDEX NAME)



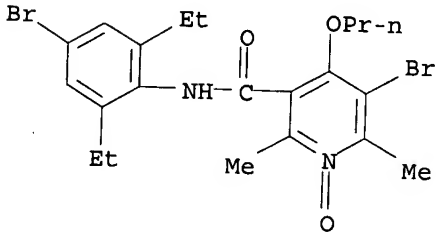
RN 110727-68-9 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-bromo-2,6-diethylphenyl)-2,6-dimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



RN 110727-69-0 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,6-dimethyl-4-(2-phenylethoxy)-, 1-oxide (9CI) (CA INDEX NAME)

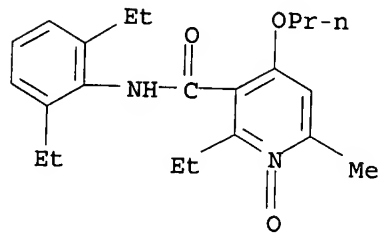


RN 110727-70-3 USPATFULL
CN 3-Pyridinecarboxamide, 5-bromo-N-(4-bromo-2,6-diethylphenyl)-2,6-dimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)

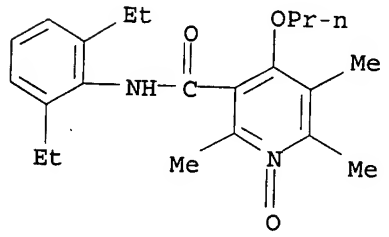


RN 110727-71-4 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2-ethyl-6-methyl-4-propoxy-,

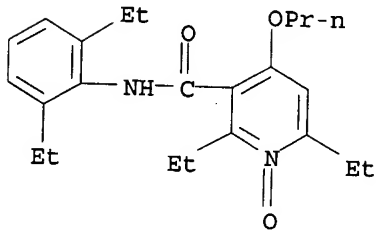
1-oxide (9CI) (CA INDEX NAME)



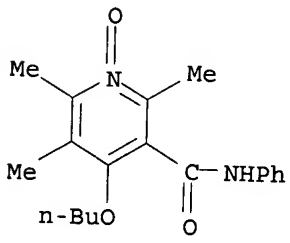
RN 110727-72-5 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,5,6-trimethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



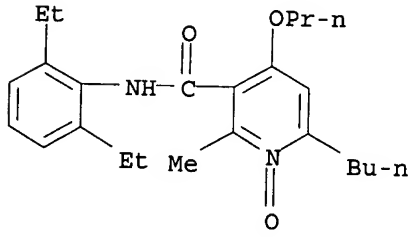
RN 110727-73-6 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-2,6-diethyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



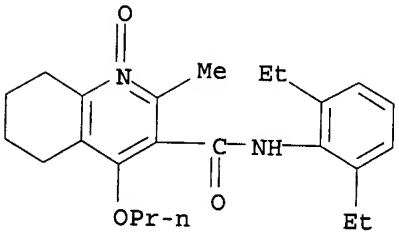
RN 110727-74-7 USPATFULL
CN 3-Pyridinecarboxamide, 4-butoxy-2,5,6-trimethyl-N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)



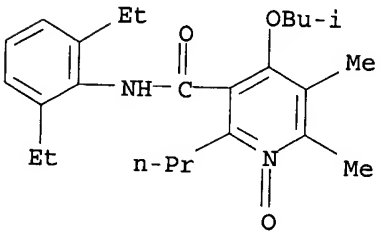
RN 110727-75-8 USPATFULL
CN 3-Pyridinecarboxamide, 6-butyl-N-(2,6-diethylphenyl)-2-methyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



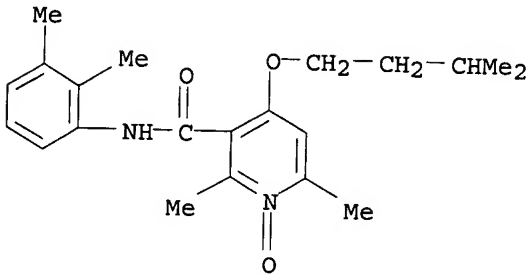
RN 110727-76-9 USPATFULL
CN 3-Quinolinecarboxamide, N-(2,6-diethylphenyl)-5,6,7,8-tetrahydro-2-methyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



RN 110727-77-0 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,6-diethylphenyl)-5,6-dimethyl-4-(2-methylpropoxy)-2-propyl-, 1-oxide (9CI) (CA INDEX NAME)



RN 112050-75-6 USPATFULL
CN 3-Pyridinecarboxamide, N-(2,3-dimethylphenyl)-2,6-dimethyl-4-(3-methylbutoxy)-, 1-oxide (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 6 USPATFULL

AB Amidobenzamides acting as histamine H.sub.2 receptors blocking agents, of formula ##STR1## wherein A is CO or SO.sub.2 and B is alkyl, phenyl, pyridyl, pyridyl-1-oxyde, pyrazinyl or thienyl; their salts; process for their preparation by reaching 2-(5-dimethyl-aminomethylfuran-2-ylmethylthio)ethylamine with a derivative of formula ##STR2## and optional salification and pharmaceutical compositions containing same.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 84:17244 USPATFULL

TI Amidobenzamides, their salts and pharmaceutical compositions containing them

IN Nisato, Dino, Pavia, Italy
Boveri, Sergio, Tortona, Italy
Bianchetti, Alberto, Milan, Italy
Roncucci, Romeo, Paris, France
Carminati, Paolo, Milan, Italy

PA Sanofi, Paris, France (non-U.S. corporation)

PI US 4439444 19840327

AI US 1982-396100 19820707 (6)

PRAI FR 1981-13420 19810708
FR 1981-19967 19811023
FR 1981-23084 19811210

DT Utility

FS Granted

EXNAM Primary Examiner: Raymond, Richard

LREP Weingarten, Schurgin, Gagnebin & Hayes

CLMN Number of Claims: 6

ECL Exemplary Claim: 1

DRWN No Drawings

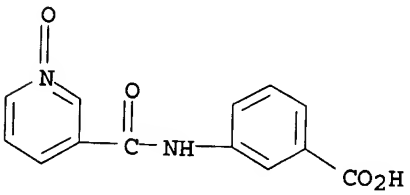
LN.CNT 575

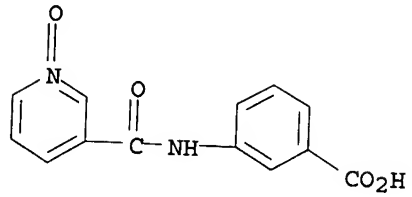
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **62833-95-8**
(amidation of, by aminoethyl furfuryl sulfide deriv.)

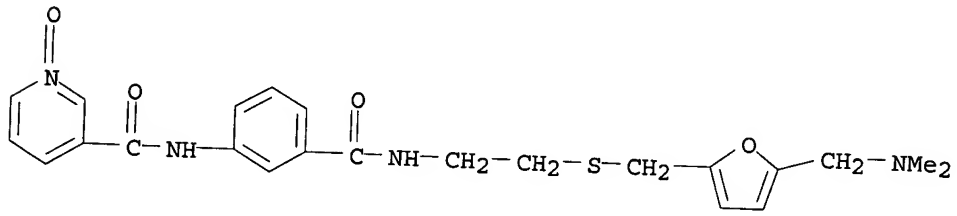
RN 62833-95-8 USPATFULL

CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)





IT **86405-54-1P**
(prepn. and antihistaminic activity of)
RN 86405-54-1 USPATFULL
CN 3-Pyridinecarboxamide, N-[3-[[[2-[[[5-[(dimethylamino)methyl]-2-furanyl]methyl]thio]ethyl]amino]carbonyl]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



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	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	45.68	186.17

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FILE LAST UPDATED: 1 Sep 2002 (20020901/ED)

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L2             16 S L1
L3            345 S L1 FUL

     FILE 'USPATFULL, USPAT2' ENTERED AT 17:27:37 ON 02 SEP 2002
L4              6 S L3

     FILE 'CAPLUS' ENTERED AT 17:28:03 ON 02 SEP 2002

=> s l3
L5            39 L3
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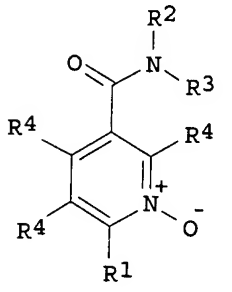
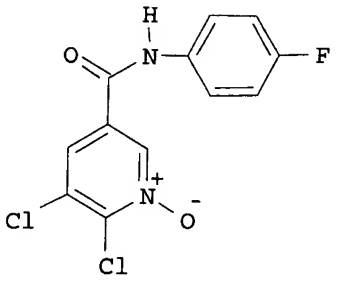
=> s l3
L5 39 L3

=> d abs bib fhitstr 1-39

L5 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



I



II

AB Title compds. I, their optical isomers, diastereomers, enantiomers and pharmaceutically acceptable salts [wherein: R1 = R5, R5-heteroalkylene; R5 = H, halo, alkyl, heteroalkyl, etc.; R2, R3 = H, alkyl, heteroalkyl, aryl, etc.; R4 = H, halo, alkyl, heteroalkyl, etc.] were claimed. For example, hydrogen peroxide mediated N-oxidn. of 2-chloro-N-(4-fluorophenyl)-6-methylnicotinamide provided claimed oxynicotinamide II in 10% yield. Nicotinanilide N-oxides I are disclosed to inhibit chemokine-mediated cellular and inflammation events. Specific binding of 95 claimed examples to human interleukin 8 and human growth-regulatory oncogene-.alpha. (GRO-.alpha.) chemokine were reported as < or > 40% at 20 .mu.M ligand concn., e.g., compd. II > 40% for GRO-.alpha., were disclosed. Also, the specific binding of 9 claimed examples to human chemokine CCR5, human interleukin-CXCR1, human interleukin-CXCR2, human neuropeptide Y1 and somatostatin, e.g., compd. II: < 40% for CCR5, somatostatin; > 40% for CXCR1, CXCR2; no data for NYP1, were disclosed. A method for the identification of nicotinanilide-N-oxides. I receptors from cell or cellular components and the isolation of compds. I which bind to TNF-.alpha. signaling proteins via affinity bead chromatog. and surface plasmon resonance (SPR) are claimed (no data).

AN 2002:521710 CAPLUS
DN 137:93690
TI Preparation of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist for the treatment of inflammation due to neutrophil chemotaxis
IN Cutshall, Neil S.; Yager, Kraig M.
PA Darwin Discovery Ltd., UK
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053544	A1	20020711	WO 2001-US47543	20011212

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-258730P P 20001229

Save date

OS MARPAT 137:93690

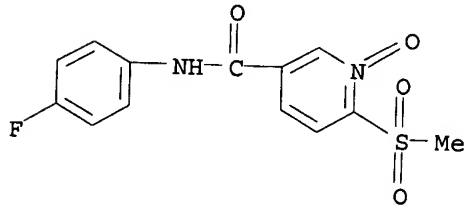
IT **364078-34-2P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)

RN 364078-34-2 CAPLUS

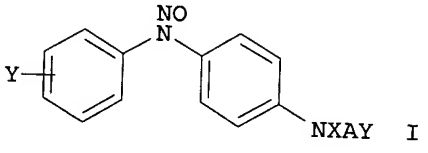
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)



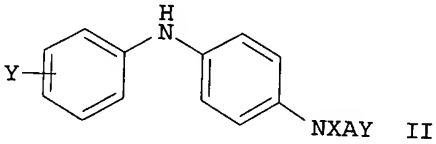
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2002 ACS

GI



I



II

AB Title compds. [I; X, Ra = H, (unsatd.) aliphatyl, AY; A = CO, SO2, CONRa, CONRaSO2; T = H, halo, NO2, cyano, (unsatd.) (halogenated) aliphatyl optionally interrupted by O and/or S; Y = org. substituent; with provisos], and des-nitroso compds. (II; variables as above), were prepd. Thus, a mixt. of nicotinoyl chloride hydrochloride, 4-amino-4'-methoxy-N-tert-butoxycarbonyldiphenylamine, and Et3N was stirred in CH2Cl2 to give 100% 4-nicotinoylamino deriv. which was N-deprotected with CF3CO2H to give 95.2% 4-methoxy-4'-nicotinoylaminodiphenylamine. The latter in HOAc was treated dropwise with aq. NaNO2 to give 88% N-nitroso-4-methoxy-4'-nicotinoylaminodiphenylamine. Tested II inhibited oxidn. of human low mol. wt. lipoproteins by Cu2+ with IC50 = 1.7-13.4 .mu.M.

AN 2002:275953 CAPLUS

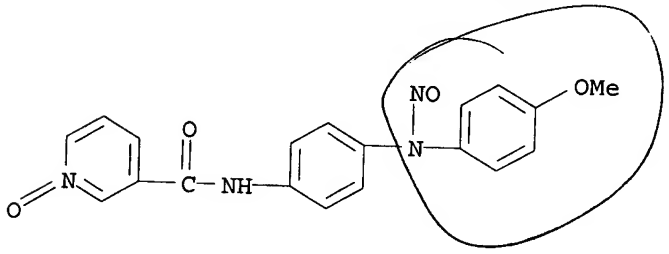
DN 136:309851

TI Preparation of diphenylamines and N-nitrosodiphenylamines for treatment of oxidative stress and unavailability of endothelial nitric oxide.

IN Lardy, Claude; Nioche, Jean-Yves; Caputo, Lidia; Decerprit, Jacques; Ortholand, Jean-Yves; Festal, Didier; Guerrier, Daniel
PA Merck Patent G.m.b.H., Germany
SO PCT Int. Appl., 142 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002028820	A1	20020411	WO 2001-EP10761	20010918
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2815030	A1	20020412	FR 2000-12749	20001005
PRAI	FR 2000-12749	A	20001005		

OS MARPAT 136:309851
IT **409351-17-3P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of diphenylamines and N-nitrosodiphenylamines for treatment of oxidative stress and unavailability of endothelial nitric oxide)
RN 409351-17-3 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[(4-methoxyphenyl)nitrosoamino]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2002 ACS
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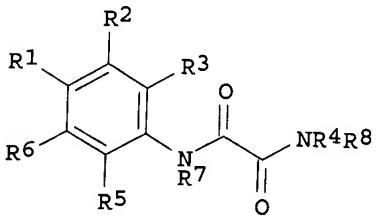


I

AB Title compds. (I; R1 = heterocyclyl; R2 = H, alkyl, alkoxy, halo, OH, cyano; R3 = H, alkyl, alkoxy, halo, cyano; R4 = H, alkyl, cycloalkyl, aryl, heterocyclyl; R5 = H, alkyl, alkoxy, halo, cyano; R6 = H, alkyl, alkoxy, halo, cyano; R7, R8 = H, alkyl; R4R8N = heterocyclyl), were prepd. Thus, 1,1-dimethyl-3-(4-nitrophenoxy)propylamine (prepn. given) was coupled with N-[3-methoxy-4-(5-oxazolyl)phenyl]oxamic acid in the presence of 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide and 1-hydroxy-7-azabenzotriazole to give N-[3-methoxy-4-(5-oxazolyl)phenyl]-N'-[1,1-dimethyl-3-(4-nitrophenoxy)propyl]oxalamide. Tested I inhibited IMPDH with IC50 = 0.010-0.277 .mu.M. I can be used for treating immune mediated conditions or diseases, viral diseases, bacterial diseases, parasitic diseases, inflammation, inflammatory diseases, hyperproliferative vascular diseases, tumors, and cancer.

AN 2001:631913 CAPLUS

DN 135:195556

TI Preparation of azolylphenyl oxamides as inosine monophosphate dehydrogenase (IMPDH) inhibitors

IN Broadhurst, Michael John; Hill, Christopher Huw; Hurst, David Nigel; Jones, Philip Stephen; Kay, Paul Brittain; Kilford, Ian Reginald; Mckinnell, Robert Murray

PA F. Hoffmann-La Roche A.-G., Switz.

SO Eur. Pat. Appl., 256 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1127883	A2	20010829	EP 2001-103521	20010216
	EP 1127883	A3	20020807		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2002052513	A1	20020502	US 2001-779116	20010208
	NO 2001000900	A	20010827	NO 2001-900	20010222
	CN 1310179	A	20010829	CN 2001-104906	20010223
	BR 2001000790	A	20010925	BR 2001-790	20010223
	JP 2001261663	A2	20010926	JP 2001-51064	20010226
PRAI	GB 2000-4392	A	20000224		
	GB 2000-15877	A	20000628		
	GB 2000-20322	A	20000817		

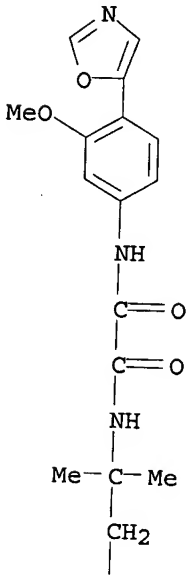
OS MARPAT 135:195556

IT **357180-48-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of azolylphenyl oxamides as inosine monophosphate dehydrogenase (IMPDH) inhibitors)

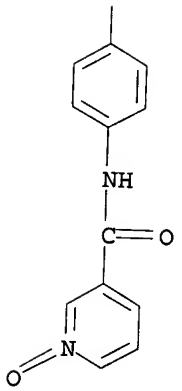
RN 357180-48-4 CAPLUS

CN Ethanediamide, N-[1,1-dimethyl-2-[4-[[(1-oxido-3-pyridinyl)carbonyl]amino]phenyl]ethyl]-N'-[3-methoxy-4-(5-oxazolyl)phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



L5 ANSWER 4 OF 39 CAPLUS COPYRIGHT 2002 ACS
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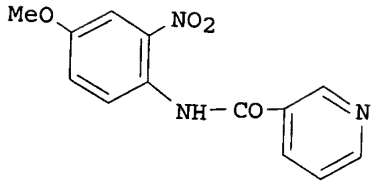


I

AB Title compds. [Ar1CONR11Ar; Ar, Ar1 independently = aryl, heteroaryl with less than two nitrogen; R11 = H, alkyl, cycloalkyl, aryl, heteroaryl], or a pharmaceutically acceptable salt, or prodrug thereof are prepd. and method of treating a disorder responsive to the induction of apoptosis in mammal in need of treatment. The present invention relates to the discovery that title compds. are activators of caspase and inducers of apoptosis. Title compds. of this invention may be used to induce cell death in a variety of clin. conditions in which uncontrolled growth and spread of abnormal cells occurs. Thus, the title compd. I was prepd. and biol. tested for caspase activity with cancer cell lines T47D and ZR75-1, for induced nuclear fragmentation and mitotic arrest in Jurkat cells, and for cell cycle arrest and apoptosis in solid tumor cell lines.

AN 2001:565011 CAPLUS

DN 135:137520

TI Preparation of benzoylamides, nicotinamides, pyrimidinecarboxamides, pyrrolylcarboxamides, and analogs as activators of caspase and inducers of apoptosis and the use thereof

IN Cai, Sui Xiong; Drewe, John A.

PA Cytovia, Inc., USA

SO PCT Int. Appl., 90 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

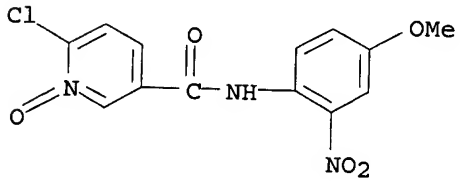
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001055115	A1	20010802	WO 2001-US2478	20010126
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2002010185	A1	20020124	US 2001-769420	20010126
PRAI	US 2000-177648P	P	20000127		

OS MARPAT 135:137520

IT **352228-60-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of benzamides, nicotinamides, pyrimidinecarboxamides, pyrrolylcarboxamides, and analogs as activators of caspase and inducers of apoptosis and use thereof)

RN 352228-60-5 CAPLUS

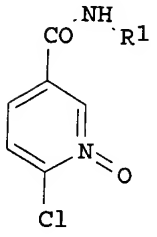
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-methoxy-2-nitrophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



Print selected from Online session02/09/2002

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



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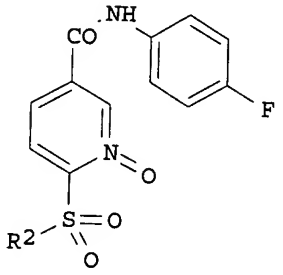


II

AB A series of nicotinamide N-oxides, I [R1 = 4-F-, 4-I-, 4-Me3C-, 2-HO-, 4-MeO-C6H4, Ph2CH-, 4-F-C6H4CH2-, cyclohexyl] and II [R2 = Me-, Et-, Me2CH-, Ph-, 4-HO2CC6H4-, PhCH2-, cyclopentyl], was synthesized and shown to be novel, potent, and selective antagonists of the CXCR2 receptor. Furthermore, these compds. showed significant functional activity against GRO-.alpha.-driven human neutrophil chemotaxis. Compds. of this class may be useful for the treatment of inflammatory, auto-immune, and allergic disorders.

AN 2001:518633 CAPLUS
DN 135:272846

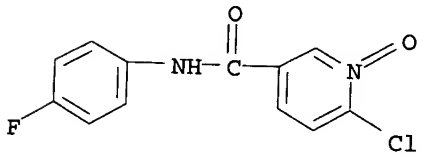
TI Nicotinamide N-Oxides as CXCR2 antagonists

AU Cutshall, N. S.; Ursino, R.; Kucera, K. A.; Latham, J.; Ihle, N. C.
CS Department of Chemistry, Celltech R&D, Inc., Bothell, WA, 98021, USA

SO Bioorganic & Medicinal Chemistry Letters (2001), 11(14), 1951-1954
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English

IT **364078-26-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and anti-inflammatory structure-activity relationships of nicotinamide N-oxides as CXCR2 antagonists)

RN 364078-26-2 CAPLUS
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI

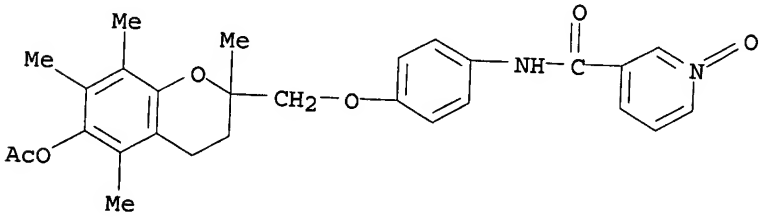
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

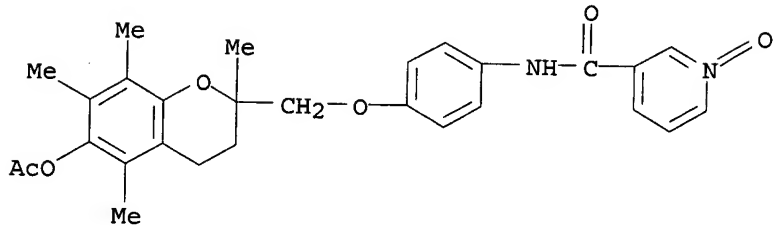
AB Title coumarone analogs [I; wherein R1 is hydrogen, C1-C6 alkyl; R2 is hydrogen, C1-C6 alkyl; R3, R5 are each independently hydrogen, C1-C6 alkyl; R4, R6 are each independently hydroxy, C1-6 alkyl, NH2, acetoxy, methoxymethoxy; X is a single bond, C=O, C=NOR7; R7 and R8 are each independently hydrogen, C1-C6 alkyl, C2-C6 alkenyl; A is C=O, SO2; U is CH2, or the like; Y is O or S; Q is hydrogen, nitro, hydroxyl; p is an integer of 1 to 6; m and n are each independently an integer of 0 to 8; and Ar1 and Ar2 are each benzene ring or pyridine ring] exhibiting excellent antitumor activities are prepd. and formulation are discussed. Thus, title compd. II was prepd. and tested.

AN 2001:63989 CAPLUS
DN 134:131426
TI Preparation and effect of coumarone analogues as antitumor agents
IN Fujita, Takashi; Wada, Kunio; Oguchi, Minoru; Kurakata, Shinichi
PA Sankyo Company, Limited, Japan
SO PCT Int. Appl., 238 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001005780	A1	20010125	WO 2000-JP4732	20000714
	W: AU, BR, CA, CN, CZ, HU, ID, IL, IN, KR, MX, NO, NZ, PL, RU, TR, US, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2001089468	A2	20010403	JP 2000-213985	20000714
PRAI	JP 1999-203159	A	19990716		

OS MARPAT 134:131426
IT **321919-51-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and effect of coumarone analogs as antitumor agents)
RN 321919-51-1 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[[6-(acetyloxy)-3,4-dihydro-2,5,7,8-tetramethyl-2H-1-benzopyran-2-yl]methoxy]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)





RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2002 ACS
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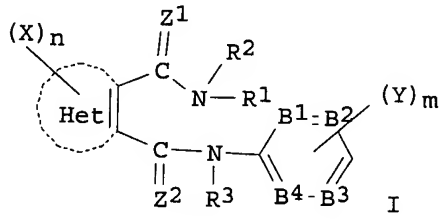

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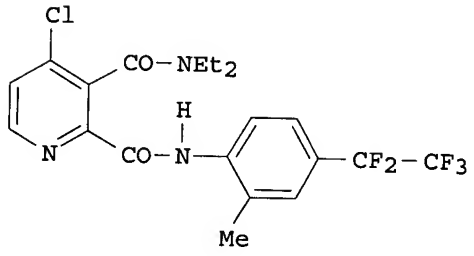


II

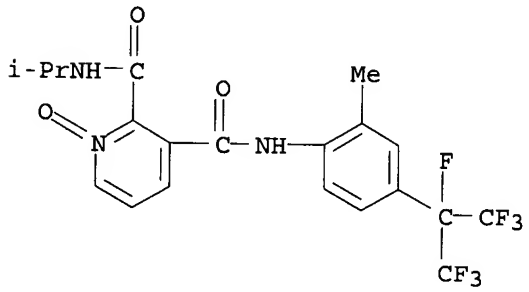
AB The title compds. I [R1, R2 and R3 represent each H, optionally halogenated C3-6 cycloalkyl, etc.; Het represents a 5- or 6-membered heterocycle; X and Y represent each halocyano, nitro, optionally halogenated C3-6 cycloalkyl, optionally substituted Ph, an optionally substituted heterocycle, etc; n is from 0 to 3; m is from 1 to 5; Z1 and Z2 represent each O or S; and B1 to B4 represent each C or N] are prepd. I have an excellent controlling effect on pest insects such as diamond-back moth (Plutella xylostella) and tobacco cutworm (Spodoptera litura). The title compd. II at 500 ppm gave .gtoreq. 90% control of Plutella xylostella.

AN 2001:12413 CAPLUS
DN 134:71497
TI Preparation of heterocyclic dicarboxylic acid diamide derivatives as agricultural and horticultural insecticides
IN Katsuhira, Takeshi; Furuya, Takashi; Gotoh, Makoto; Tohnishi, Masanori; Takaishi, Hideo; Sakata, Kazuyuki; Morimoto, Masayuki; Seo, Akira
PA Nihon Nohyaku Co., Ltd., Japan
SO PCT Int. Appl., 160 pp.

CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001000575	A1	20010104	WO 2000-JP4136	20000623
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000011818	A	20020319	BR 2000-11818	20000623
EP 1188745	A1	20020320	EP 2000-940823	20000623
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001064258	A2	20010313	JP 2000-191500	20000626
PRAI JP 1999-179035	A	19990624		
WO 2000-JP4136	W	20000623		

OS MARPAT 134:71497
IT **314762-71-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclic dicarboxylic acid diamide derivs. as agricultural and horticultural insecticides)
RN 314762-71-5 CAPLUS
CN 2,3-Pyridinedicarboxamide, N2-(1-methylethyl)-N3-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)

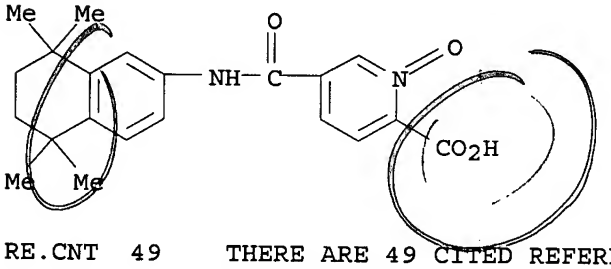


RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2002 ACS
AB Several pyridine- and pyrimidine-carboxylic acids were synthesized as ligand candidates for retinoid nuclear receptors, retinoic acid receptors (RARs) and retinoic X receptors (RXRs). Although the pyridine derivs., 6-[(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)carbamoyl]pyridine-3-carboxylic acid and 6-[(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)carboxamido]pyridine-3-carboxylic acid are more potent than the corresponding benzoic acid-type retinoids, Am80 and Am580, the

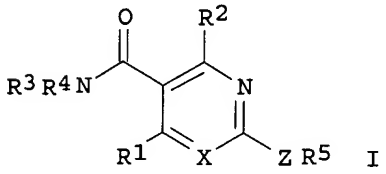
replacement of the benzene ring of Am580, Am555, or Am55 with a pyrimidine ring caused loss of the retinoidal activity both in HL-60 cell differentiation assay and in RAR transactivation assay using COS-1 cells. On the other hand, pyrimidine analogs (PA series) of potent RXR agonists (retinoid synergists) with a diphenylamine skeleton (DA series) exhibited potent retinoid synergistic activity in HL-60 cell differentiation assay and activated RXRs. Among the synthesized compds., 2-[N-n-propyl-N-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)amino]pyrimidine-5-carboxylic acid (PA013) is most active retinoid synergist in HL-60 assay.

AN 2000:734380 CAPLUS
DN 134:29571
TI Retinoidal pyrimidinecarboxylic acids. Unexpected diaza-substituent effects in retinobenzoic acids
AU Ohta, Kiminori; Kawachi, Emiko; Inoue, Noriko; Fukasawa, Hiroshi; Hashimoto, Yuichi; Itai, Akiko; Kagechika, Hiroyuki
CS Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, 113-0033, Japan
SO Chemical & Pharmaceutical Bulletin (2000), 48(10), 1504-1513
CODEN: CPBTAL; ISSN: 0009-2363
PB Pharmaceutical Society of Japan
DT Journal
LA English
OS CASREACT 134:29571
IT **312263-59-5P**, Am 80P4
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis and retinoidal activity of heterocyclic retinoid analogs)
RN 312263-59-5 CAPLUS
CN 2-Pyridinecarboxylic acid, 5-[[(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)amino]carbonyl]-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



I

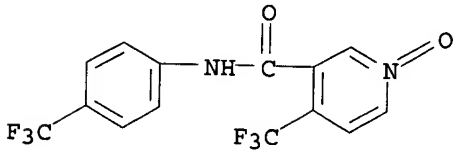
AB Amides e.g. I (R1, R2 = H, halo, alkyl, aklkoxy, OH, cyano, NO2, etc.; R3

= H, alkyl, alkoxy, etc.; R4, R5 = Ph, substituted Ph, naphthyl, substituted naphthyl; X = N, CH; Z = O, CH2, CO, bond), useful as insecticides, are prepd. 6-(4-Chlorophenyloxy)-4-trifluoromethyl-N-(4-trifluoromethylphenyl)-3-pyridinecarboxamide (II) was prepd. in 4 steps from 4-trifluoromethyl-3-pyridinecarboxylic acid and 4-trifluoromethylaniline. II showed insecticidal activity superior to that of chlordimeform.

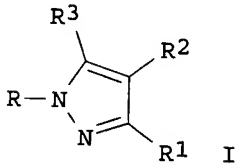
AN 2000:562834 CAPLUS
DN 133:135326
TI Preparation of amide compounds as insecticides
IN Miyahara, Osamu; Ogura, Mika; Iwasa, Takao; Takeshi, Tomohiro; Takahashi, Hidemitsu
PA Nippon Soda Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 47 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000226372	A2	20000815	JP 1999-24317	19990201

OS MARPAT 133:135326
IT **286858-27-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of pyrimidinecarboxamides derivs. as insecticides)
RN 286858-27-3 CAPLUS
CN 3-Pyridinecarboxamide, 4-(trifluoromethyl)-N-[4-(trifluoromethyl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 10 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



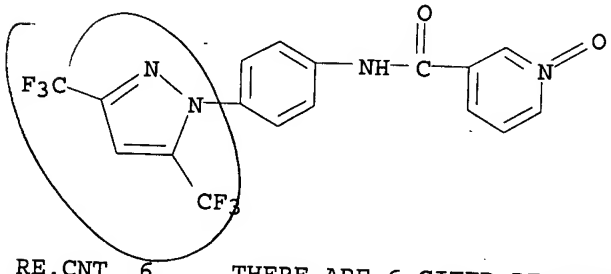
I

AB Title compds. [I; R = R4Z1Z; R1,R3 = halo, CF3, alkyl, alkoxy, etc.; R2 = H, halo, Me; R4 = (cyclo)alkyl, alkoxy, alkylamino, etc.; Z = 1,4-phenylene; Z1 = CONH, CO2NH, NH, etc.] were prepd. Thus, I [R = 4-(R5HN)C6H4, R1 = R3 = CF3, R2 = H] (II; R5 = H) was amidated by cyclohexanecarboxylic acid to give II (R5 = cyclohexylcarbonyl). Data for biol. activity of I were given.

AN 1999:784082 CAPLUS
DN 132:22963
TI Preparation of N-(pyrazolylphenyl)alkanamides and analogs as IL-2 production inhibitors
IN Betageri, Rajashekhar; Cywin, Charles L.; Hargrave, Karl; Hoermmann, Mary Ann; Kirrane, Thomas M.; Parks, Thomas M.; Patel, Usha R.; Proudfoot, John R.; Sharma, Rajiv; Sun, Sanxing; Wang, Xiao-Jun
PA Boehringer Ingelheim Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 130 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

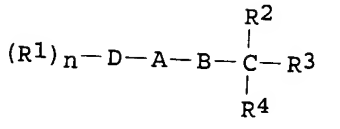
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9962885	A1	19991209	WO 1999-US12295	19990603
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
	AU 9942299	A1	19991220	AU 1999-42299	19990603
	JP 2002516909	T2	20020611	JP 2000-552097	19990603
PRAI	US 1998-88154P	P	19980605		
	WO 1999-US12295	W	19990603		

OS MARPAT 132:22963
IT **251655-92-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 1-(4-aminophenyl)pyrazoles and their use as anti-inflammatory agents)
RN 251655-92-2 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[3,5-bis(trifluoromethyl)-1H-pyrazol-1-yl]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)

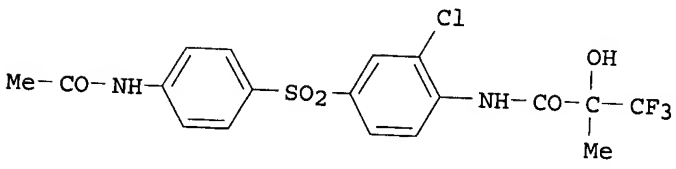


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



I



II

AB Aryl Ph sulfone and sulfoxide derivs. (I) [where ring D = (un)substituted Ph, pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, or other 6-membered N-contg. heteroaryl ring; R1 = (hetero)arylsulfonyl, (hetero)arylsulfinyl, (hetero)arylcarbonyl, (halo)alkyl, (halo)alkoxy, alkenyloxy, cyano, NO2, halo, S-CF3, OH, or a variety of (un)substituted functional groups; n = 1 or 2; R2 and R3 = independently (halo)alkyl or 3-5 membered (halo)cycloalkyl ring; A-B = NH-C(O), O-CH2, S-CH2, (trans)-vinylene, ethynylene, NH-C(S), or C(O)-CH2; R4 = H, OH, halo, NH2, or Me], and pharmaceutically acceptable salts or in vivo hydrolysable esters thereof, were prepd. Pharmaceutical compns., methods, and processes for prepn. of compds. of formula I are also described. For example, (R)-(+)-2-hydroxy-2-methyl-3,3,3-trifluoropropanoic acid (prepn. given) was mixed with oxalyl chloride and added to 4-(4-acetamidophenylsulfonyl)-2-chloroaniline (prepn. given) in DCM to yield (R)-N-[4-(4-acetamidophenylsulfonyl)-2-chlorophenyl]-2-hydroxy-2-methyl-3,3,3-trifluoropropanamide (R)-(II). Title compds. elevate pyruvate dehydrogenase (PDH) activity (no data) and are useful in the treatment of diabetes mellitus, peripheral vascular disease, cardiac failure and certain cardiac myopathies, myocardial ischemia, cerebral ischemia and perfusion, muscle weakness, hyperlipidemias, Alzheimer's disease, and/or atherosclerosis.

AN 1999:783925 CAPLUS

DN 132:22753

TI Preparation of N-(arylsulfonylphenyl)-2-hydroxy-2-methyl-3,3,3-trifluoropropanamide derivatives for the elevation of pyruvate dehydrogenase (PDH) activity

IN Butlin, Roger John; Nowak, Thorsten; Burrows, Jeremy Nicholas; Block, Michael Howard

PA Zeneca Limited, UK

SO PCT Int. Appl., 211 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9962506	A1	19991209	WO 1999-GB1669	19990526

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,

	CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2331685	AA	19991209	CA 1999-2331685	19990526
	AU 9940524	A1	19991220	AU 1999-40524	19990526
	AU 740909	B2	20011115		
	BR 9910821	A	20010213	BR 1999-10821	19990526
	EP 1082110	A1	20010314	EP 1999-923767	19990526
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002516854	T2	20020611	JP 2000-551762	19990526
	NO 2000006010	A	20010126	NO 2000-6010	20001128
PRAI	GB 1998-11427	A	19980529		
	WO 1999-GB1669	W	19990526		

OS MARPAT 132:22753

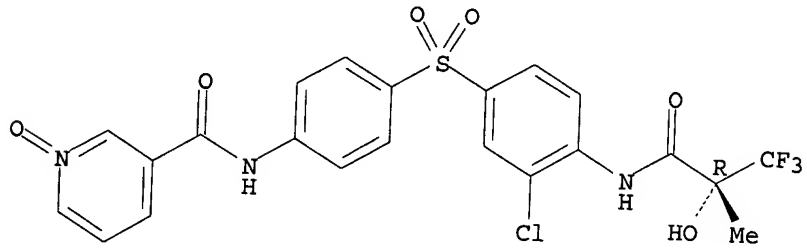
IT **252015-11-5P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compd.; prepn. of N-(arylsulfonylphenyl)-2-hydroxy-2-methyl-3,3,3-trifluoropropanamide derivs. for elevation of pyruvate dehydrogenase (PDH) activity)

RN 252015-11-5 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-[[3-chloro-4-[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfonyl]phenyl]-, 1-oxide (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 39 CAPLUS COPYRIGHT 2002 ACS

AB A series of anthraquinone derivs., with potentially bioreducible groups sited in the side-chain, were synthesized and biol. evaluated. Their redox and cytotoxic activities were screened. Derivs. which bear a 2-(dimethylamino)ethylamino substituent, known to confer high DNA affinity, demonstrated cytotoxicity but not redox activity (beside the anthraquinone redn.). Conversely, derivs. which showed redox activity were not cytotoxic toward the P388 cell line. The results suggest that bioredn. is not the main mode of action in the cytotoxicity of anthraquinones.

AN 1999:676152 CAPLUS

DN 132:22737

TI Novel anthraquinone derivatives with redox-active functional groups capable of producing free radicals by metabolism: are free radicals essential for cytotoxicity?

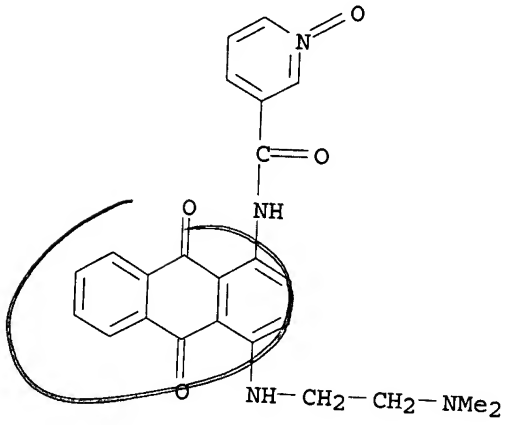
AU Barasch, Dinorah; Zipori, Omer; Ringel, Israel; Ginsburg, Isaac; Samuni, Amram; Katzhendler, Jehoshua

CS Department of Pharmaceutical Chemistry, The Hebrew University of

Jerusalem, Jerusalem, 91120, Israel
SO European Journal of Medicinal Chemistry (1999), 34(7 & 8), 597-615
CODEN: EJMCA5; ISSN: 0223-5234
PB Editions Scientifiques et Medicales Elsevier
DT Journal
LA English
OS CASREACT 132:22737

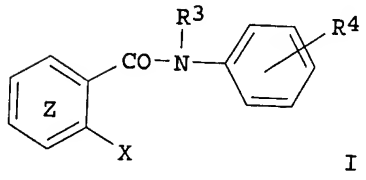
IT **252013-04-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn., redox potential, and antitumor activity of anthraquinones)

RN 252013-04-0 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-[[2-(dimethylamino)ethyl]amino]-9,10-dihydro-9,10-dioxo-1-anthracenyl]-, 1-oxide (9CI) (CA INDEX NAME)

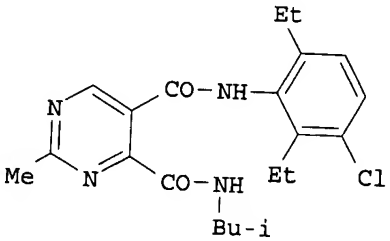


RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



I



II

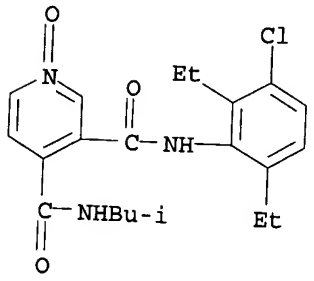
AB The title compds. I [ring Z represents 3,4-substituted pyridine, pyrimidine, or pyrazine which are optionally substituted with alkyl, etc.; R3 represents H, C1-6 alkyl, (substituted) phenylalkyl, etc.; R4 represents H, halogeno, nitro, cyano, C1-6 alkyl, etc.; and X represents

alkoxycarbonyl, alkylaminoaminocarbonyl, cyano, alkylcarbonyl, (substituted) oxadiazolyl, etc.] are prepd. The title compd. II (at 2.5 g/are) gave .gtoreq. 90% control of barnyard grass and caused no damage to rice plants.

AN 1999:576911 CAPLUS
DN 131:199705
TI Preparation of heterocyclic anilides as herbicides
IN Akiyama, Shigeaki; Kondo, Yasuo; Adachi, Michiaki; Mizukoshi, Takashi; Watanabe, Shigeomi; Akiyoshi, Chiaki; Ohki, Tooru; Nakahira, Kunimitsu
PA Nissan Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 256 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9944992	A1	19990910	WO 1999-JP1048	19990304
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9927458	A1	19990920	AU 1999-27458	19990304
PRAI	JP 1998-53485		19980305		
	JP 1998-165661		19980612		
	JP 1998-268025		19980922		
	WO 1999-JP1048		19990304		

OS MARPAT 131:199705
IT **241469-84-1P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclic anilides as herbicides)
RN 241469-84-1 CAPLUS
CN 3,4-Pyridinedicarboxamide, N3-(3-chloro-2,6-diethylphenyl)-N4-(2-methylpropyl)-, 1-oxide (9CI) (CA INDEX NAME)

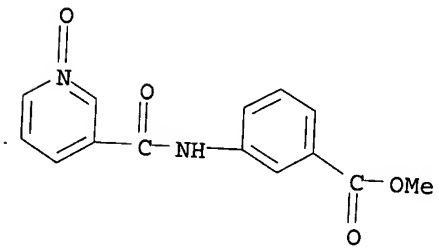


RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2002 ACS
AB A review with 3 refs. It has been found that arylamides of (iso)nicotinic

acids possess analgetic activity. The structure of these arylamides resembles that of serotonin and such a similarity is useful to ascertain their structure-activity relationship.

AN 1999:474097 CAPLUS
DN 131:237346
TI Possibilities for search for new analgesics in the series of arylamides of isonicotinic and nicotinic acids
AU Bukhtiarova, T. A.; Trinus, F. P.; Danilenko, V. P.; Danilenko, G. I.; Ovruts'kii, V. M.
CS Inst. Farmakol. Toksikol, AMN Ukr., Kiev, Ukraine
SO Dopovidi Natsional'noi Akademii Nauk Ukraini (1998), (8), 162-164
CODEN: DNAUFL; ISSN: 1025-6415
PB Prezidiya Natsional'noi Akademii Nauk Ukraini
DT Journal; General Review
LA Russian/Ukrainian
IT **65101-44-2**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(search for new analgesics: arylamides of isonicotinic and nicotinic acids)
RN 65101-44-2 CAPLUS
CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [one of X, X1 = H, halo, lower alkyl and the other = (un)substituted group X6, X7, X10; R1 = H, lower alkyl; n = 0, 1; Het = 5-6 membered heteroarom. ring contg. 1-3 heteroatoms N, O, S, or 9-10 membered bicyclic heteroarom. ring contg. 1-4 heteroatoms N, O, S; R19 = (un)substituted lower alkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl; R18 = H, any group R19; R20 = (un)substituted lower alkyl, aroyl, lower alkanoyl; Y = CR22R23R24, 3-7 membered ring Y2; R22, R23 = (un)substituted aryl, heteroaryl, lower alkyl; R24 = H, CN, (un)substituted aryl, lower alkyl, with provisos; R25 = lower alkyl, F-(un)substituted lower alkenyl, R26(CH2)m; R26 = aryl, heteroaryl, N3, CN, OH, NO2, amino, lower alkoxy, lower alkoxycarbonyl, lower alkanoyl, lower alkylthio, lower alkylsulfonyl, lower alkylsulfinyl, etc.; Q = bond, (CH2)pO, (CH2)pS, (CH2)p; m = 0-4; p = 0-3; Z = H, lower alkyl] and pharmaceutically

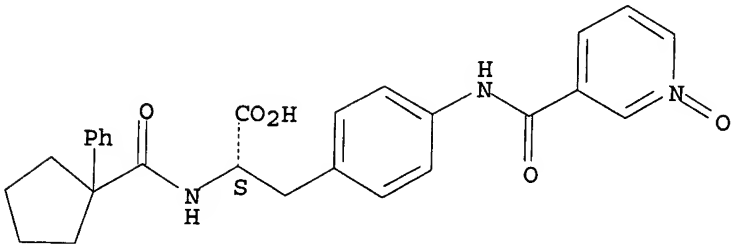
acceptable salts and esters thereof, are disclosed which have activity as inhibitors of binding between VCAM-1 and cells expressing integrin VLA-4. Such compds. are useful for treating diseases whose symptoms and /or damage are related to the binding of VCAM-1 to cells expressing VLA-4. Thus, amidation of 4-amino-N-[(1-phenylcyclopentyl)carbonyl]-L-phenylalanine Me ester (prepn. given) with 4-quinolinecarboxylic acid and sapon. gave desired title deriv. II as its sodium salt. II inhibited VLA-4 binding to immobilized VCAM-1 with IC50 = 2.7 nM in solid-phase dual antibody assay.

AN 1999:166589 CAPLUS
DN 130:209978
TI Preparation of N-aroylphenylalanine derivatives as vascular cell adhesion molecule-1 (VCAM-1) binding inhibitors
IN Chen, Li; Guthrie, Robert William; Huang, Tai-Nang; Hull, Kenneth G.; Sidduri, Achytharao; Tilley, Jefferson Wright
PA F.Hoffmann-La Roche A.-G., Switz.
SO PCT Int. Appl., 215 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9910313	A1	19990304	WO 1998-EP5144	19980813
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2300121	AA	19990304	CA 1998-2300121	19980813
	AU 9893419	A1	19990316	AU 1998-93419	19980813
	AU 742928	B2	20020117		
	EP 1005446	A1	20000607	EP 1998-946326	19980813
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9811988	A	20000905	BR 1998-11988	19980813
	JP 2001514163	T2	20010911	JP 2000-507644	19980813
	ZA 9807602	A	19990504	ZA 1998-7602	19980821
PRAI	US 1997-56929P	P	19970822		
	WO 1998-EP5144	W	19980813		

OS MARPAT 130:209978
IT **220876-32-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of N-aroylphenylalanine derivs. as vascular cell adhesion mol.-1 (VCAM-1) binding inhibitors)
RN 220876-32-4 CAPLUS
CN L-Phenylalanine, 4-[[(1-oxido-3-pyridinyl)carbonyl]amino]-N-[(1-phenylcyclopentyl)carbonyl]-, monosodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● Na

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2002 ACS

AB Forty two aryl amides of isonicotinic and nicotinic acids were synthesized and tested for anti-inflammatory activity in the rat model of edema. Structure-activity relationships and QSAR are discussed.

AN 1998:161899 CAPLUS

DN 128:289722

TI Structure and anti-inflammatory activity of aryl amides of isonicotinic and nicotinic acids

AU Bukhtiarova, T. A.; Trinus, F. P.; Danilenko, V. F.; Danilenko, G. I.; Ovrutskii, V. M.; Sharykina, N. I.

CS Inst. Farmakol. i Toksikol., AMN Ukrainy, Kiev, Ukraine

SO Khimiko-Farmatsevticheskii Zhurnal (1997), 31(11), 30-32
CODEN: KHFZAN; ISSN: 0023-1134

PB Izdatel'stvo Folium

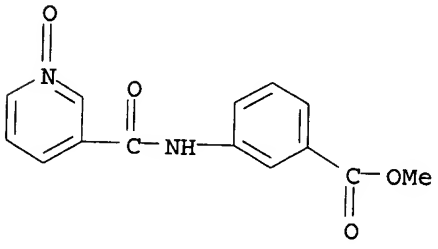
DT Journal

LA Russian

IT **65101-44-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(structure and anti-inflammatory activity of aryl amides of isonicotinic and nicotinic acids)

RN 65101-44-2 CAPLUS

CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2002 ACS

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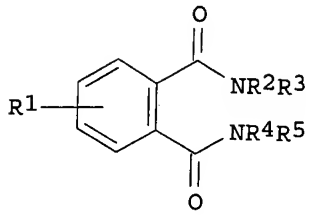


I

AB Title compds. [I; R1 = H or 1-3 of halo, alkyl, alkoxy, etc.; R2 = (un)substituted Ph; R3 = H or alkyl; R4,R5 = H, (un)substituted alkyl, NH2, etc.; NR4R5 = heterocyclyl], or an N-oxide thereof, were prepd. Thus, pyridine-2,3-dicarboxylic anhydride was amidated by 2-amino-6-chlorotoluene and the product converted in 2 steps to I [R1 = R3 = R4 = H, R2 = C6H3(Me)Cl-2,3, R4 = Pr]. Data for biol. activity of I were given.

AN 1997:678928 CAPLUS

DN 127:331402

TI Preparation of pyridine-2,3-dicarboxamides as herbicides

IN Tonishi, Masanori; Katsuhira, Takeshi; Ohtsuka, Takashi; Miura, Yuzo

PA Nihon Nohyaku Co., Ltd., Japan

SO Eur. Pat. Appl., 73 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

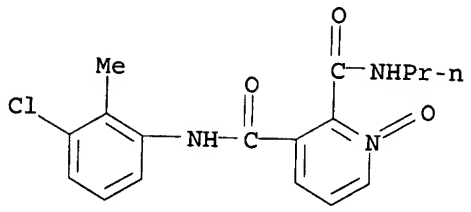
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 799825	A1	19971008	EP 1997-105417	19970401
	R: CH, DE, ES, FR, GB, IT, LI				
	CA 2201437	AA	19971002	CA 1997-2201437	19970401
	CN 1164532	A	19971112	CN 1997-111645	19970401
	CN 1058961	B	20001129		
	US 5843868	A	19981201	US 1997-825642	19970401
	JP 09323974	A2	19971216	JP 1997-83764	19970402
	BR 9701612	A	19981110	BR 1997-1612	19970402
PRAI	JP 1996-104580	A	19960402		

OS MARPAT 127:331402

IT **197918-70-0P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyridine-2,3-dicarboxamides as herbicides)

RN 197918-70-0 CAPLUS

CN 2,3-Pyridinedicarboxamide, N3-(3-chloro-2-methylphenyl)-N2-propyl-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 18 OF 39 CAPLUS COPYRIGHT 2002 ACS

AB Protein isoprenyl transferase inhibitors R3XC6H2R1R2R4 [R1 = H, alkyl, halo, aryl, heterocyclyl, etc.; R2 = (un)substituted Ph, CONHCHR5CO2R6 (R5 = alkyl, cycloalkyl, etc., R6 = H or protecting group); CONH-heterocyclyl, etc.; R3 = (un)substituted pyridyl or imidazolyl; R4 = H, alkyl, halo, aryl, etc.; X is absent or X1NR4X2, X1OX2 (X1 = absent, alkylene, or alkenylene; X2 = absent, CH2, CH2CH2, CHMe, etc.)] were prepd. Thus, [4-(3-pyridyloxymethylene)-2-phenoxybenzoyl]methionine (I) was prepd. by coupling of 4-(3-pyridyloxymethylene)-2-phenoxybenzoic acid (synthesis described) with methionine Me ester hydrochloride, followed by sapon. Compd. I showed 92% inhibition of protein farnesyl transferase at 1 .mu.M.

AN 1997:436061 CAPLUS

DN 127:51002

TI Inhibitors of protein isoprenyl transferases

IN Sebti, Said M.; Hamilton, Andrew D.; Rosenberg, Saul H.; Augeri, David J.; Barr, Kenneth J.; Donner, Bernard G.; Fakhhoury, Stephen A.; Janowick, David A.; Kalvin, Douglas M.; Larsen, John J.; Liu, Gang; O'Connor, Stephen J.; Shen, Wang; Swenson, Rolf E.; Sorenson, Bryan K.; Sullivan, Gerard M.; Szczepankiewicz, Bruce; Tasker, Andrew S.; Wasicak, James T.; Winn, Martin

PA University of Pittsburgh, USA

SO PCT Int. Appl., 260 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9717070	A1	19970515	WO 1996-US17092	19961105
	W: AU, BR, CA, CN, CZ, HU, IL, JP, KR, MX, NZ				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9675975	A1	19970529	AU 1996-75975	19961105
	ZA 9609273	A	19980505	ZA 1996-9273	19961105
	EP 873123	A1	19981028	EP 1996-938647	19961105
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2000500745	T2	20000125	JP 1997-518208	19961105
PRAI	US 1995-7247P	P	19951106		
	WO 1996-US17092	W	19961105		

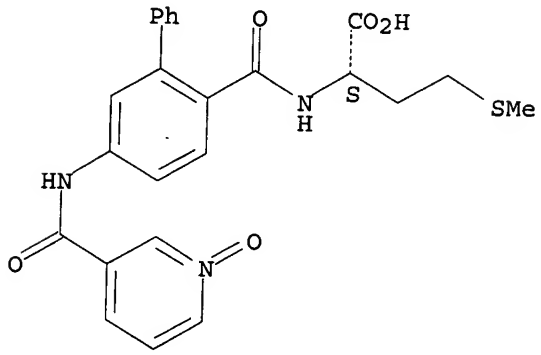
OS MARPAT 127:51002

IT **191102-65-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(inhibitors of protein isoprenyl transferases)

RN 191102-65-5 CAPLUS

CN L-Methionine, N-[[5-[[(1-oxido-3-pyridinyl)carbonyl]amino][1,1'-biphenyl]-2-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 19 OF 39 CAPLUS COPYRIGHT 2002 ACS

AB Nucleophilic substitution of the nitro group in 4-nitro-3-pyridinecarboxanilide 1-oxide afforded 4-hydroxy-, 4-chloro-, 4-methoxy-, 4-ethoxy-, and 4-dimethylamino-3-pyridinecarboxanilide oxides. The 1H and 13C NMR chem. shifts of the pyridine moiety were correlated with the Hammett consts. of the substituent in position 4, with the exception of the 4-hydroxy deriv. The reason of this phenomenon is discussed.

AN 1995:885819 CAPLUS

DN 124:55761

TI Nucleophilic substitution in a series of 4-nitronicotinic acid 1-oxide derivatives

AU Pohl, Radek; Prutianov, Viktor; Smrckova-Voltrova, Svatava

CS Dep. Org. Chem., Prague Inst. Chem. Technol., Prague, 166 28, Czech Rep.

SO Collection of Czechoslovak Chemical Communications (1995), 60(7), 1170-7
CODEN: CCCCAK; ISSN: 0010-0765

PB Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic

DT Journal

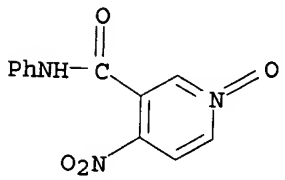
LA English

OS CASREACT 124:55761

IT **172225-04-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(nucleophilic substitution of nitronicotinic acid 1-oxide derivs.)

RN 172225-04-6 CAPLUS

CN 3-Pyridinecarboxamide, 4-nitro-N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 20 OF 39 CAPLUS COPYRIGHT 2002 ACS

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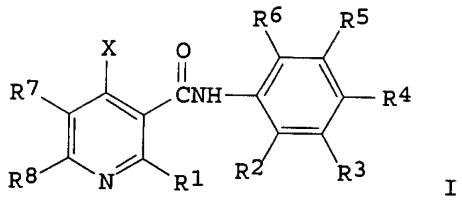

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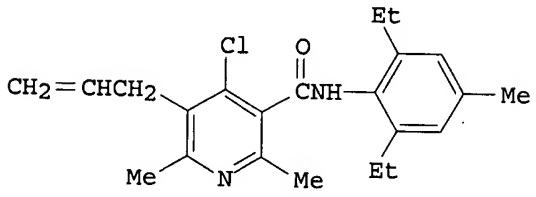


II

AB Title compds. I [R1 = C1-11 alkyl, alkenyl, alkynyl, cycloalkyl, alkoxyalkyl, alkylthioalkyl, haloalkyl, 5- or 6-membered heterocyclyl, (un)substituted Ph or aralkyl; R2-R6 = H, halo, cyano, NO2, amino, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; R7 = H, halo, alkyl, alkenyl, alkynyl, alkoxy, haloalkyl, (un)substituted Ph or aralkyl; R8 = as given for R1, or R7R8 = (CH2)m; m = 3, 4; X = halo] and their 1-oxides and salts are prepd. as herbicides. 5-Allyl-N-(2,6-diethyl-4-methylphenyl)-1,4-dihydro-2,6-dimethyl-4-oxo-3-pyridinecarboxamide was refluxed in excess POCl3 for 1 h to give allylchloro(diethylmethylphenyl)dimethylpyridinecarboxamide II. Addn. of 50 wt. parts II to 200 parts carrier contg. talc 50, bentonite 25, Solpole-9047, 2, and Solpole-5039, 3 parts gave a wettable powder. As a 20-ppm aq. dispersion applied to seedlings in a lab dish, II completely inhibited Oryzae sativa, Echinochloa crus-galli, and Raphanus sativus.

AN 1989:154162 CAPLUS

DN 110:154162

TI 4-Halopyridine-3-carboxamide derivatives and their herbicidal compositions

IN Yagihara, Hiroshi; Goto, Yukihisa; Masamoto, Kazuhisa; Morishima, Yasuo; Osabe, Hirokazu

PA Daicel Chemical Industries, Ltd., Japan

SO Eur. Pat. Appl., 32 pp.
CODEN: EPXXDW

DT Patent

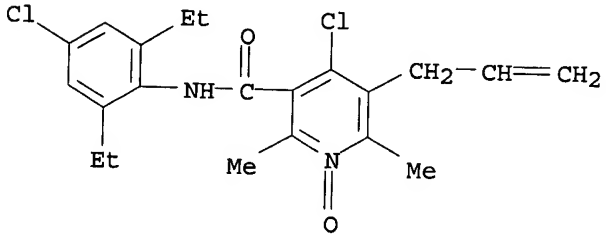
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 292990	A1	19881130	EP 1988-108501	19880527
	EP 292990	B1	19950201		
	R: DE, FR, GB				
	US 4978385	A	19901218	US 1988-199187	19880526
	JP 01207275	A2	19890821	JP 1988-131265	19880527
	JP 2557468	B2	19961127		
	CA 1320488	A1	19930720	CA 1988-567874	19880527
PRAI	JP 1987-131696		19870529		
	JP 1987-262333		19871016		

OS MARPAT 110:154162

IT **119766-03-9P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as herbicide)
RN 119766-03-9 CAPLUS
CN 3-Pyridinecarboxamide, 4-chloro-N-(4-chloro-2,6-diethylphenyl)-2,6-dimethyl-5-(2-propenyl)-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 21 OF 39 CAPLUS COPYRIGHT 2002 ACS
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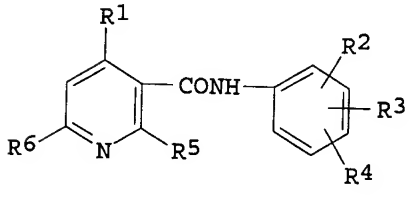

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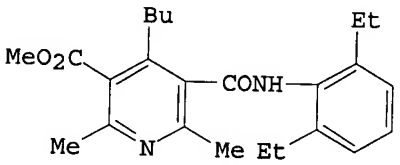
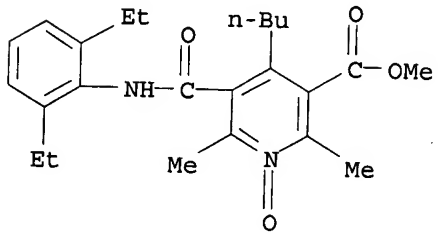


II

AB Nicotinamide derivs. (I; R1 = alkyl, alkenyl, alkynyl, etc.; R2, R3, R4 = H, halo, cyano, alkyl, etc.; R5, R6 = alkyl, haloalkyl, cycloalkyl, aryl, etc.), useful as plant growth inhibitors, are prepd. A mixt. of 2,6-Et2C6H2NHCOCH2COMe and pentanal in CH2Cl2 contg. piperidine was stirred under cooling, treated with Na2SO4 to remove H2O, evapd., and refluxed with Me 2-aminocrotonate in EtOH to give 65% dihydro ester, which was dehydrogenated with NaNO2 in HOAc at 20-25.degree. to give 91% ester II. Refluxing a mixt. of II and LiI in 2,6-lutidine gave 100% free acid, which was heated at 330-350.degree. under N to give 84% nicotinamide deriv. I (R1 = Bu, R2 = R3 = Et at 2,6-position, R4 = H, R5 = R6 = Me). I are effective in inhibiting the growth of barnyard grass at 20 ppm.
AN 1989:8049 CAPLUS
DN 110:8049
TI Preparation of nicotinamide derivatives as plant growth inhibitors
IN Goto, Yukihisa; Masamoto, Kazuhisa; Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 20 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI JP 62283959 A2 19871209 JP 1986-127066 19860530
JP 07025737 B4 19950322
IT **116368-17-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and sapon. of)
RN 116368-17-3 CAPLUS
CN 3-Pyridinecarboxylic acid, 4-butyl-5-[[(2,6-diethylphenyl)amino]carbonyl]-2,6-dimethyl-, methyl ester, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 22 OF 39 CAPLUS COPYRIGHT 2002 ACS
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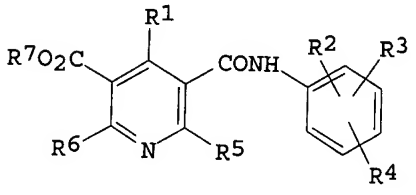

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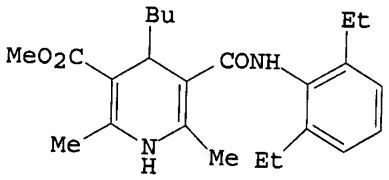
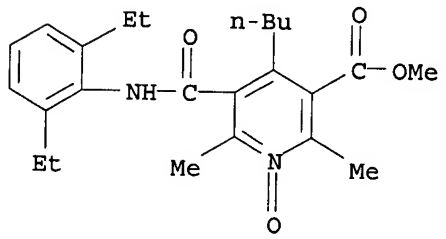


II

AB Nicotinic acid derivs. (I; R1 = alkyl, alkenyl, alkynyl, etc.; R2, R3, R4 = H, halo, cyano, alkyl, etc.; R5, R6 = alkyl, haloalkyl, alkoxyalkyl, etc.; R7 = H, alkyl), useful as plant growth inhibitors, are prepd. Cyclocondensation of 2,6-Et2C6H3NHCOCH2COMe with pentanal and MeC(NH2):CHCO2Me in EtOH gave 65% 1,4-dihydropyridine deriv. II, which was treated with NaNO2 in HOAc at 25.degree. to give 91% nicotinate I (R1 = Bu; R2 = H; R3, R4 = 2,6-Et2; R5 = R6 = R7 = Me), which showed 100% control of barnyard grass at 20 ppm as an aq. dispersion.
AN 1988:549360 CAPLUS
DN 109:149360
TI Preparation of nicotinic acid derivatives as plant growth inhibitors
IN Goto, Yukihisa; Masamoto, Kazuhisa; Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 19 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63002978	A2	19880107	JP 1986-145583	19860620
	JP 07042272	B4	19950510		

OS CASREACT 109:149360; MARPAT 109:149360
IT **116368-17-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as plant growth inhibitor)
RN 116368-17-3 CAPLUS
CN 3-Pyridinecarboxylic acid, 4-butyl-5-[[(2,6-diethylphenyl)amino]carbonyl]-2,6-dimethyl-, methyl ester, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 23 OF 39 CAPLUS COPYRIGHT 2002 ACS
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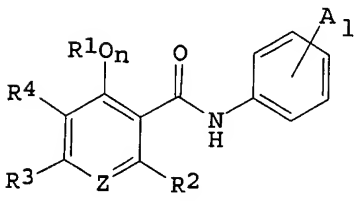


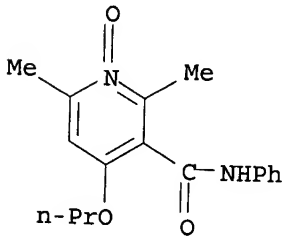
I

AB Herbicidal compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl, cycloalkyl, (substituted) aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = halo-, alkoxy-, or cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H, and when n = 1, R4 = H, halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH2, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, NO] and at least one of (1) 2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine, (2) 2-(1-cyano-1-methylethylamino)-4-ethylamino-6-chloro-1,3,5-triazine(II), (3) 2-chloro-4,6-bis(ethylamino)-1,3,5-triazine, (4) 2-chloro-2',6'-diethyl-N-methoxymethylacetanilide, (5) 2-ethyl-6-methyl-N-(3-methoxy-2-propyl)chloroacetanilide, (6) Et N-chloroacetyl-N-(2,6-diethylphenyl)glycinate, (7) 3-(3,4-dichlorophenyl)-1,1-dimethylurea(III), and (8) 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea, particularly useful for corn, are described. A mixt. contg. 10 g/are I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,3-di-Me, n = 0, Z = N) (II) and 10 g II/are, applied postemergence, showed 100% control of Echinochloa crus-galli, Setaria viridis, and Portulaca oleracea, and no damage to corn, whereas the components by themselves were less effective. A wettable powder was formulated contg. I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, n = 0) 20, III 20, talc 40, bentonite 15, Sorpol-9047 2, and Sorpol-5039 3 wt.

parts.
AN 1988:488184 CAPLUS
DN 109:88184
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridine-3-carboxamide derivatives, for corn
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63017813	A2	19880125	JP 1986-159730	19860709

OS MARPAT 109:88184
IT **110727-39-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as component for wide-spectrum synergistic herbicidal compns.)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 24 OF 39 CAPLUS COPYRIGHT 2002 ACS
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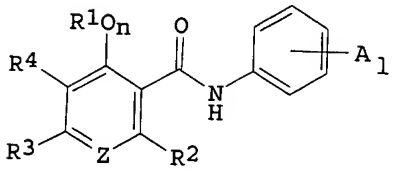


I

AB Herbicidal compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl, cycloalkyl, (substituted) aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = halo-, alkoxy-, or cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H; when n = 1, R4 = H, halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH2, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, NO] and a second

herbicide, are described. The second herbicide is at least one of (1) 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid (II), (2) 3-isopropyl-2,1,3-benzothiadiazin-4-one 2,2-dioxide, (3) 3-(3,4-dichlorophenyl)-1,1-dimethylurea, (4) 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea, (5) 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5-one, (6) Me 3-(1-allyloxyaminobutylidene)-6,6-dimethyl-2,4-dioxocyclohexanecarboxylate Na salt, (7) (.+-.)-2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexene-1-one (III), (8) 2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]propionic acid, (9) Bu 2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate, (10) Me 2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate, (11) Me 2-[4-(2,4-dichlorophenoxy)phenoxy]propionate, (12) iso-Bu 2-[4-(4-chlorophenoxy)phenoxy]propionate, (13) Me 2-[4-(4-trifluoromethylphenoxy)phenoxy]propionate, (14) 2-chloro-2',6'-diethyl-N-(methoxyethyl)acetanilide, (15) 2-ethyl-6-methyl-N-(3-methoxy-2-propyl)chloroacetanilide, and (16) Et N-chloroacetyl-N-(2,6-diethylphenyl)glycinate. The compns. are esp. useful for soybean. A mixt. contg. 10 g/are I (R1 = Pr, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, n = 0, Z = N) and 5 g II/are, applied postemergence, showed 100% control of Digitaria saguinalis, Setaria viridis, and Portulaca oleracea, 70-100% control of Echinochloa crus-galli and Chenopodium album and no damage to soybeans, whereas the components by themselves were less effective. A wettable powder was formulated contg. I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, n = 0) 20, III 20, talc 40, bentonite 15, Sorpol-9047 2, and Sorpol-5039 3 wt. parts.

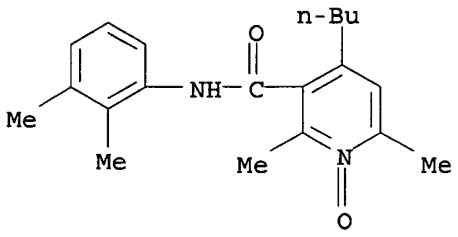
AN 1988:468852 CAPLUS
DN 109:68852
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridinecarboxamide derivatives, for soybeans
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63017811	A2	19880125	JP 1986-159728	19860709

OS MARPAT 109:68852
IT **115454-58-5**
RL: BIOL (Biological study)
(herbicide compn. contg., synergistic, for soybean)
RN 115454-58-5 CAPLUS
CN 3-Pyridinecarboxamide, 4-butyl-N-(2,3-dimethylphenyl)-2,6-dimethyl-, 1-oxide, mixt. with N'-(3,4-dichlorophenyl)-N,N-dimethylurea (9CI) (CA INDEX NAME)

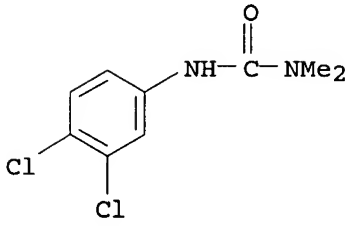
CM 1

CRN 115429-55-5
CMF C20 H26 N2 O2



CM 2

CRN 330-54-1
CMF C9 H10 Cl2 N2 O



L5 ANSWER 25 OF 39 CAPLUS COPYRIGHT 2002 ACS
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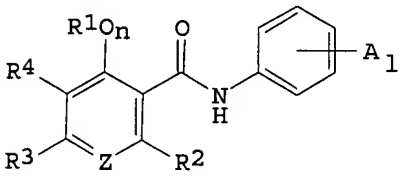


I

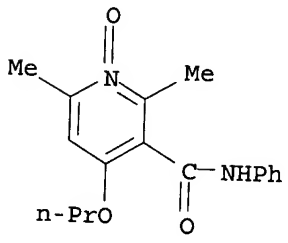
AB Herbicidal compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl, cycloalkyl, (substituted) aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = halo-, alkoxy-, or cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H, and when n = 1, R4 = H, halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH2, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, NO] and at least one of (1) 2-chloro-2',6'-diethyl-N-methoxymethylacetanilide (I), (2) .alpha.,.alpha.,.alpha.-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine, (3) 3,5-dinitro-N4,N4-sulfanylamide, (4) N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitroaniline, (5) 1,1-dimethyl-3-(.alpha.,.alpha.,.alpha.-trifluoro-m-tolyl)urea, (6) 3-(3,4-dichlorophenyl)-1,1-dimethylurea, and (7) 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea (III), particularly useful for cotton, are described. A mixt. contg. 10 g/are I (R1 = Pr, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, n = 0, Z = N) and 7.5 g II/are, applied post-emergence,showed 100% control of Echinochloa crus-galli, Setaria viridis, and Portulaca oleracea, and no damage on cotton, whereas the

components by themselves were less effective. A wettable powder was formulated contg. I (R1 = Bu, R2 = R3 = Me, R4 = H, Al = 2,6-di-Et, Z = NO, n = 0) 20, III 20, talc 40, bentonite 15, Sorpol-9047 2, and Sorpol-5039 3 wt. parts.

AN 1988:468851 CAPLUS
DN 109:68851
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridine-3-carboxamide derivatives, for cotton
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63017812	A2	19880125	JP 1986-159729	19860709

OS MARPAT 109:68851
IT **110727-39-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as component for wide-spectrum synergistic herbicidal binary compns.)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 26 OF 39 CAPLUS COPYRIGHT 2002 ACS
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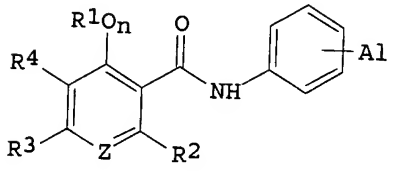


I

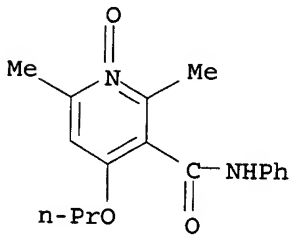
AB Herbicide compns. contg. pyridine derivs. I [R1 = alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, alkoxycarbonylalkyl, cycloalkyl, aralkyl, (substituted) aryl, 5- or 6-membered heterocyclyl; R2, R3 = alkyl, haloalkyl, alkoxyalkyl, cycloalkyl, (substituted) aralkyl, (substituted) aryl; n = 0, 1; when n = 0, R4 = H; when n = 1, R4 = H,

halo, alkyl, (substituted) aralkyl, (substituted) aryl; R3R4 = (CH2)m; m = 3, 4; A = H, halo, cyano, NO2, NH3, alkyl, haloalkyl, OH, alkoxy, aryloxy, CO2H, alkoxycarbonyl; l = 1-5; Z = N, N:O] and at least one of 2-chloro-2',6'-diethyl-N-(butoxymethyl)acetanilide; 2-chloro-2',6'-diethyl-N-(propoxyethyl)acetanilide; 2-chloro-N-(2,6-diethylphenyl)-N-[3-methoxythiophen-2-yl)methyl]acetamide; 2-benzothiazol-2-yloxy-N-methylacetanilide; S-4-chlorobenzyl diethylthiocarbamate; S-ethylhexahydro[1H]azepine-1-carbothioate; S-(.alpha.,.alpha.-dimethylbenzyl)-1-piperidinecarbothioate; 4-(2,4-dichlorobenzoyl)-1,3-dimethyl[1H]pyrazol-5-yl p-toluenesulfonate; 4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-phenacyloxypyrazole; 4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-5-(p-methylphenacyl)oxypyrazole; 2-(.beta.-naphthyloxy)propionanilide; 2-(2,4-dichloro-3-methylphenoxy)propionanilide; 3,7-dichloro-8-quinolinecarboxylic acid; N-(.alpha.,.alpha.-dimethylbenzyl)-.alpha.-bromo-tert-butylacetamide; and 1-(.alpha.,.alpha.-dimethylbenzyl)-3-(4-methylphenyl)urea, particularly useful for rice, are described. A mixt. of 2.5 (no units given) I (R1 = Pr; R2 = R3 = Me; R4 = H, n = 0; Al = 2,6-di-Et) and 2.5 2-chloro-N-(2,6-diethylphenyl)-N-[(3-methoxythiophen-2-yl)methyl]acetamide showed 100% control of Echinochloa oryzicola and other weeds, whereas the components by themselves were less effective. Granules were formulated contg. I (R1 = Bu; R2 = R3 = Me; R4 = H, n = 0; Al = 2,6-di-Et) 3, N-(.alpha.,.alpha.-dimethylbenzyl)-.alpha.-bromo-tert-butylacetamide 4, talc 60, bentonite 30, and ligninsulfonate 3 wt. parts.

AN 1988:468849 CAPLUS
DN 109:68849
TI Wide-spectrum synergistic herbicidal binary compositions containing N-phenylpyridine-3-carboxamide derivatives, for rice
IN Yagihara, Hiromu; Morishima, Yasuo; Osabe, Hirokazu; Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki
PA Daicel Chemical Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63005005	A2	19880111	JP 1986-150520	19860626

OS MARPAT 109:68849
IT **110727-39-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as component of synergistic herbicidal binary compns., for rice)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 27 OF 39 CAPLUS COPYRIGHT 2002 ACS
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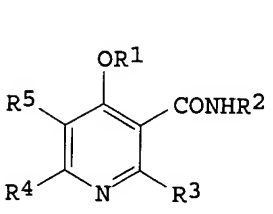
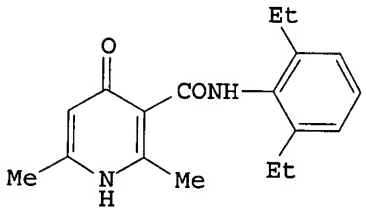


I



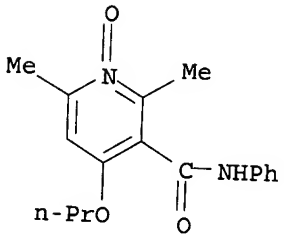
II

AB The title compds. [I; R1 = alkyl, alkenyl, alkynyl, aralkyl, etc.; R2 = (substituted) aryl; R3, R4 = alkyl, aralkyl, haloalkyl, cycloalkyl, etc.; R5 = H, halo, alkyl, (substituted) phenyl; R4R5 form a ring with (CH2)n (n = 3, 4)], their oxides and salts, useful as plant growth inhibitors, are prepd. Dihydrooxopyridinecarboxanilide II was heated with BuBr and K2CO3 in DMF at 90.degree. for 2 h to give 82% I (R1 = Bu, R2 = 2,6-Et2C6H3, R3 = R4 = Me, R5 = H). The latter inhibited the growth of Oryza sativa by 75% at 20 ppm.

AN 1987:575886 CAPLUS
DN 107:175886
TI (4-Alkoxypyridin-3-yl)carboxanilides as plant growth inhibitors
IN Ueda, Yoichiro; Goto, Yukihisa; Masamoto, Kazuhisa; Hirako, Yoshiyuki; Yagihara, Hiroshi; Morishima, Yasuo; Osabe, Hirokazu
PA Daicel Chemical Industries, Ltd., Japan
SO Fr. Demande, 62 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2576306	A1	19860725	FR 1986-650	19860117
	FR 2576306	B1	19891208		
	JP 62149663	A2	19870703	JP 1985-284744	19851217
	JP 07010846	B4	19950208		
	US 4730051	A	19880308	US 1986-819144	19860115
	GB 2171097	A1	19860820	GB 1986-1034	19860116
	GB 2171097	B2	19871216		
	DE 3601121	A1	19860821	DE 1986-3601121	19860116
PRAI	JP 1985-7665		19850118		
	JP 1985-171673		19850802		
	JP 1985-211821		19850925		

OS CASREACT 107:175886
IT **110727-39-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as plant growth inhibitor)
RN 110727-39-4 CAPLUS
CN 3-Pyridinecarboxamide, 2,6-dimethyl-N-phenyl-4-propoxy-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 28 OF 39 CAPLUS COPYRIGHT 2002 ACS

AB FeLX (H2L = meso-.alpha.,.alpha.,.alpha.,.alpha.-tetrakis(o-nicotinamidophenyl)porphyrin, X = Cl, Br, OH, N3) were prepd. and characterized. FeLCl.CHCl3.H2O is monoclinic, space group p21/c, with a 14.739(6), b 21.924(7), c 19.524(6) .ANG., .beta. 101.03(3).degree., z = 4, V = 6192.4 .ANG.3, 5042 unique reflections, and R = 0.104. The structure consists of polymeric chains, with the Fe atom of 1 mol. coordinated to a pyridine N of the nicotinamide unit of a 2nd mol. The Cl- occupies the 6th coordination site, inside the pocket of the 4 nicotinamide groups. The Fe is displaced 0.109(1) .ANG. from the mean plane of the porphyrin toward the Cl-. Long Fe-Cl (2.31(2) .ANG.) and Fe-N(py) (2.085(6 .ANG.) distances and an av. Fe-N(porphyrin) distance of 2.042(8) .ANG. indicate an essentially high-spin Fe, which is accommodated by an S4 ruffling of the porphyrin. Magnetic susceptibility, ESR, and Moessbauer data on solid samples and electronic, ESR and NMR data on solns. were interpreted.

AN 1984:78821 CAPLUS

DN 100:78821

TI Unusual structural, chemical, and magnetic properties of mononuclear iron(III) complexes of the potentially binucleating ligand meso-.alpha.,.alpha.,.alpha.,.alpha.-tetrakis(o-nicotinamidophenyl)porphyrin

AU Gunter, Maxwell J.; McLaughlin, George M.; Berry, Kevin J.; Murray, Keith S.; Irving, Mark; Clark, Paul E.

CS Res. Sch. Chem., Aust. Natl. Univ., Canberra, 2600, Australia

SO Inorg. Chem. (1984), 23(3), 283-300
CODEN: INOCAJ; ISSN: 0020-1669

DT Journal

LA English

IT **88035-71-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 88035-71-6 CAPLUS

CN Iron, .mu.-oxobis[[N,N',N'',N'''-(21H,23H-porphine-5,10,15,20-tetrayltetra-2,1-phenylene)tetrakis[3-pyridinecarboxamide] 1,1',1'',1'''-tetraoxidato](2-)-N21,N22,N23,N24]di-, stereoisomer (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L5 ANSWER 29 OF 39 CAPLUS COPYRIGHT 2002 ACS

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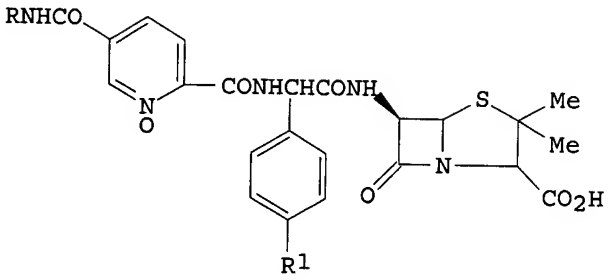
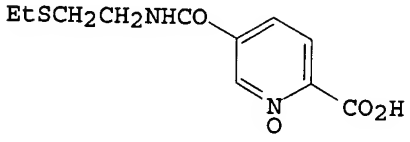


I



II

AB Ninety-one penicillin derivs. (I; R = alkyl, alkenyl, aryl, aralkyl, heterocycle, etc.; R1 = H, HO), effective bactericides at 0.1-12.5 mg/.mu.L, were prepd. Thus, 2 mmol ClCO2CH2CHMe2 was added to a soln. of 2 mmol II and 2 mmol Et3N in DMF at -30.degree. to -20.degree. to give a mixed anhydride, which was treated with 2.4 mmol ampicillin trihydrate and 3 mmol Et3N in aq. DMF to give 700 mg I.Na (R = EtSCH2CH2).

AN 1984:68067 CAPLUS

DN 100:68067

TI Penicillin derivatives

PA Banyu Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 28 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

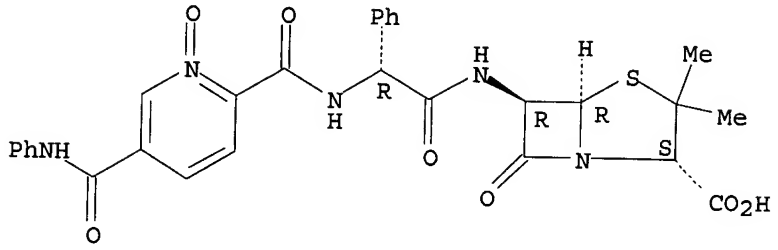
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 58131987	A2	19830806	JP 1982-14297	19820202

IT **83644-25-1P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antibacterial activity of)

RN 83644-25-1 CAPLUS

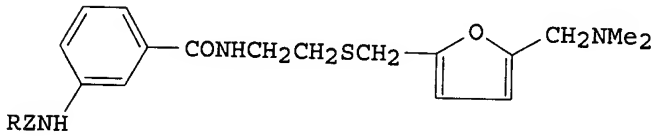
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[[[[[1-oxido-5-[(phenylamino)carbonyl]-2-pyridinyl]carbonyl]amino]phenylacetyl]amino]-7-oxo-, monosodium salt, [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● Na

L5 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



I

AB Amides I (Z = CO, SO2; R = alkyl, Ph, pyridyl, N-oxidopyridyl, pyrazinyl, thienyl), which showed antihistaminic and anti-ulcer activity, were prepd. from benzoate esters. Thus, 3-AcNHC6H4CO2C6H4NO2-4 reacted with 2-aminoethyl 5-[(dimethylamino)methyl]furfuryl sulfide at 40.degree. to give I (R = Me, Z = CO).
AN 1983:438231 CAPLUS
DN 99:38231
TI Aminobenzamides, their salts and pharmaceutical compositions containing them
IN Nisato, Dino; Boveri, Sergio; Bianchetti, Alberto; Roncucci, Romeo; Carminati, Paolo
PA Sanofi, Fr.
SO Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 69664	A1	19830112	EP 1982-401252	19820705
	EP 69664	B1	19850403		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	FR 2509305	A1	19830114	FR 1981-13420	19810708
	FR 2509305	B1	19860418		
	FR 2515181	A1	19830429	FR 1981-19967	19811023
	FR 2515181	B1	19840406		
	FR 2518097	A1	19830617	FR 1981-23084	19811210
	FR 2518097	B1	19840629		
	AU 8285134	A1	19830113	AU 1982-85134	19820623

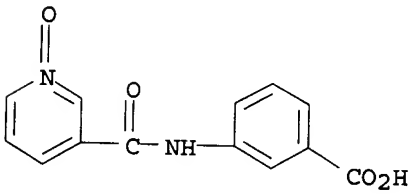
	AU 547405	B2	19851017		
	NO 8202122	A	19830110	NO 1982-2122	19820624
	ZA 8204593	A	19830427	ZA 1982-4593	19820628
	AT 12496	E	19850415	AT 1982-401252	19820705
	IL 66227	A1	19850731	IL 1982-66227	19820705
	CS 229935	P	19840716	CS 1982-5164	19820706
	FI 8202408	A	19830109	FI 1982-2408	19820707
	DK 8203059	A	19830109	DK 1982-3059	19820707
	ES 513792	A1	19830816	ES 1982-513792	19820707
	DD 202433	A5	19830914	DD 1982-241472	19820707
	US 4439444	A	19840327	US 1982-396100	19820707
	HU 30700	O	19840328	HU 1982-2215	19820707
	HU 189599	B	19860728		
	CA 1190927	A1	19850723	CA 1982-406813	19820707
	JP 58015967	A2	19830129	JP 1982-117880	19820708
PRAI	FR 1981-13420		19810708		
	FR 1981-19967		19811023		
	FR 1981-23084		19811210		
	EP 1982-401252		19820705		

OS CASREACT 99:38231

IT **62833-95-8**
RL: RCT (Reactant)
(amidation of, by aminoethyl furfuryl sulfide deriv.)

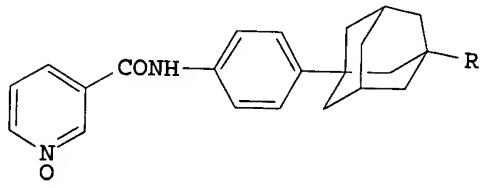
RN 62833-95-8 CAPLUS

CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)



L5 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2002 ACS

GI



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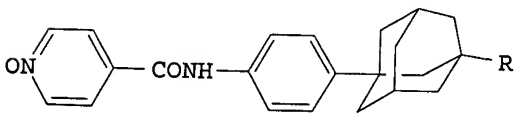
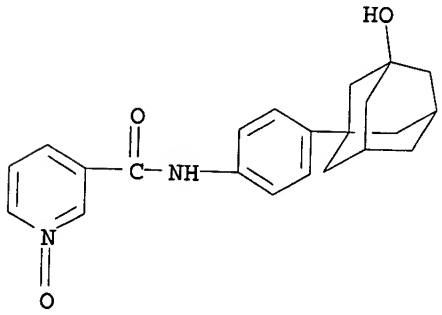


II

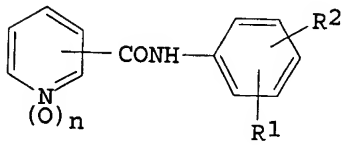
AB Reaction of the appropriate adamantylanilines with pyridinecarbonyl chlorides gave I and II (R = Cl, OH, CH2OH, CO2Me) (8 compds.). The

prepn. of the adamantylanilines was described.

AN 1983:16550 CAPLUS
DN 98:16550
TI Synthesis of N-adamantyl-substituted amides of the N-oxides of nicotinic and isonicotinic acid
AU Dovgan, N. L.; Zosim, L. A.; Rutkovskii, E. K.
CS USSR
SO Vestn. Kiev. Politekh. Inst., [Ser.]: Khim. Mashinostr. Tekhnol. (1982), 19, 9-15
CODEN: VKMTAC; ISSN: 0372-6045
DT Journal
LA Russian
OS CASREACT 98:16550
IT **84021-05-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 84021-05-6 CAPLUS
CN 3-Pyridinecarboxamide, N-[4-(3-hydroxytricyclo[3.3.1.13,7]dec-1-yl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



I

AB Substituted pyridinecarboxylic acid anilides and their N-oxides I (R1 and R2 = H, halo, or alkyl; n = 0 or 1) are acaricides for control of plant pest mites. Thus, spraying apple trees with 10% N-(4-chlorophenyl)-3-pyridine carboxamide [14547-72-9] controlled Panenchus ulmi by 94.1%. Synthesis was given.

AN 1983:1684 CAPLUS
DN 98:1684
TI Acaricide compositions
IN Lettau, Herbert; Mueller, Joachim; Bergmann, Ingrid; Schubert, Hermann; Seewald, Ingrid; Weiser, Hannelore
PA Ger. Dem. Rep.

SO Ger. (East), 13 pp.
CODEN: GEXXA8
DT Patent
LA German
FAN.CNT 1

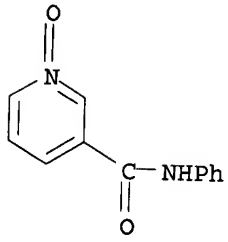
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DD 154799	Z	19820421	DD 1980-225524	19801127

OS CASREACT 98:1684

IT **14178-43-9P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and acaricidal activity of)

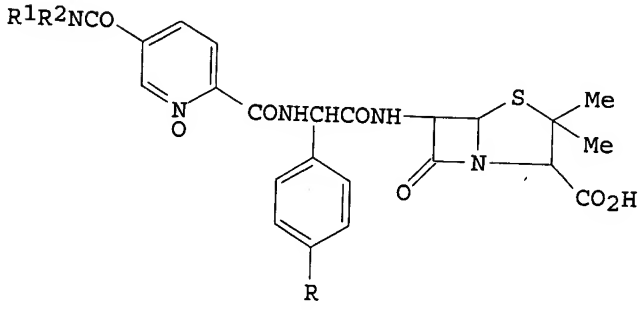
RN 14178-43-9 CAPLUS

CN 3-Pyridinecarboxamide, N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2002 ACS

GI



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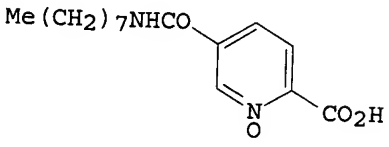


II

AB Title compds. I (R = H, OH; R1, R2 = H, alkyl, allyl, aralkyl, cycloalkyl, alkoxyalkyl, R1R2N may form a ring), useful as bactericides (data given), were prepd. Thus, amidn. of II with ampicillin gave, after treatment with

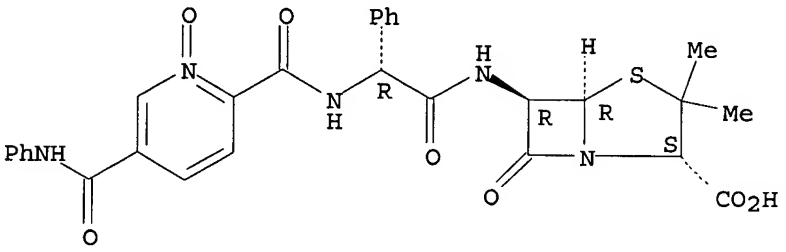
1N NaOH, Na salt of I (R = R1 = H, R2 = n-octyl).

AN 1982:615892 CAPLUS
DN 97:215892
TI Penicillin derivs. and their salts
PA Banyu Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57109792	A2	19820708	JP 1980-184006	19801226

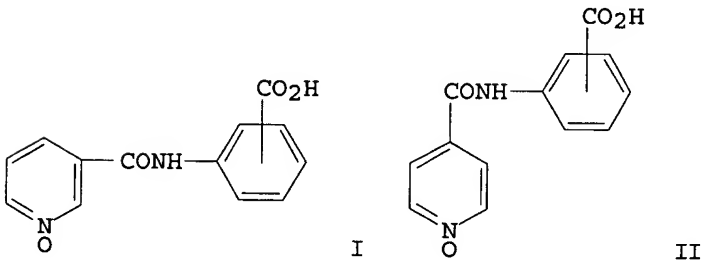
OS CASREACT 97:215892
IT **83644-25-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 83644-25-1 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[[[[[1-oxido-5-[(phenylamino)carbonyl]-2-pyridinyl]carbonyl]amino]phenylacetyl]amino]-7-oxo-, monosodium salt, [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● Na

L5 ANSWER 34 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI



I

II

AB The title compds. I (CO2H connected in 2,3 or 4 position) and II (CO2H connected in 2,3 or 4 position) were prepd. in 40.5-50.2% yield by treatment of nicotinic or isonicotinic acid with SOCl2 followed by the corresponding H2NC6H4CO2H. Toxicities of I and II (mice-i.p.) were 765-2000 mg/kg. Toxicity depended on position of CO2H group; the 4 position was the least toxic. All I and II had antiinflammatory activity but those with the CO2H group attached to the 4 position were most effective. The most effective analgesic was II (CO2H connected in the 4 position).

AN 1979:611217 CAPLUS

DN 91:211217

TI Synthesis and antiinflammatory properties of carboxyphenylamides of nicotinic and isonicotinic acid 1-oxides

AU Danilenko, V. F.; Portnyagina, V. A.; Klebanov, B. M.; Ryabukha, T. K.

CS Kiev. Nauchno-Issled. Inst. Farmakol. Toksikol., Kiev, USSR

SO Khim.-Farm. Zh. (1979), 13(7), 46-9
CODEN: KHFZAN; ISSN: 0023-1134

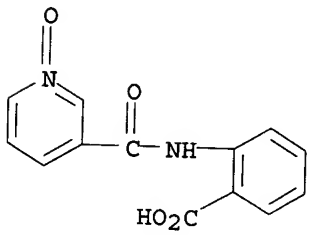
DT Journal

LA Russian

IT **62833-93-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and pharmacol. of)

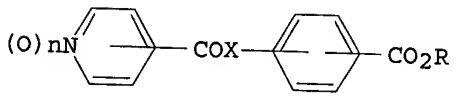
RN 62833-93-6 CAPLUS

CN Benzoic acid, 2-[[(1-oxido-3-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)



L5 ANSWER 35 OF 39 CAPLUS COPYRIGHT 2002 ACS

GI



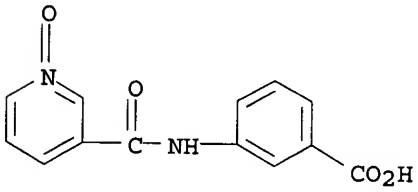
I

AB Thirteen pyridine carboxylic acid derivs. (I) were prepd. and tested for antiinflammatory, antipyretic, and analgesic effects in rats and mice. All compds. tested inhibited kaolin- or formalin-induced swelling, and no relation existed between the position of the carboxyl group in the Ph residue and antiinflammatory effectiveness. Substitution of NH at X with O decreased antiinflammatory activity. Isonicotinic acid derivs. contg. a carbomethoxy group had the greatest antipyretic and analgesic activities. LD50 values were given for all compds.

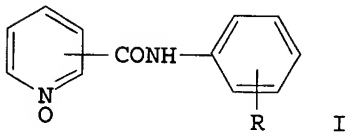
AN 1978:15765 CAPLUS

DN 88:15765

TI Antiinflammatory activity of some new pyridine carboxylic acid derivatives
AU Klebanov, B. M.; Ryabukha, T. K.; Portnyagina, V. A.; Danilenko, V. F.; Get'man, G. A.
CS Kiev. Nauchno-Issled. Inst. Farmakol. Toksikol., Kiev, USSR
SO Fiziol. Akt. Veshchestva (1977), 9, 17-19
CODEN: FAVUAI
DT Journal
LA Russian
IT **62833-95-8**
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacol. of)
RN 62833-95-8 CAPLUS
CN Benzoic acid, 3-[[(1-oxido-3-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)



L5 ANSWER 36 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI

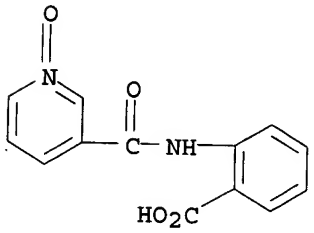


I

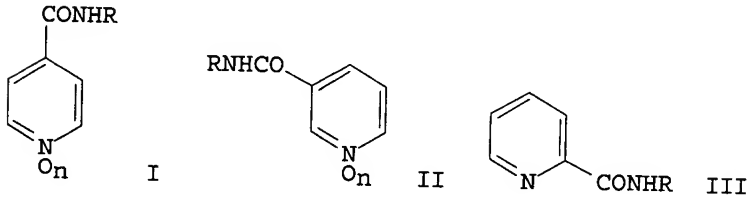
AB Amides I (R = o-, m-, or p-CO2H) with antiphlogistic activity were prepd. by treating the nicotinoyl or isonicotinoyl chloride 1-oxide with RC6H4NH2 in the presence of an HCl acceptor.
AN 1977:405812 CAPLUS
DN 87:5812
TI Preparation and antiphlogistic activity of carboxyphenylamides of nicotinic or isonicotinic acid
IN Danilenko, V. F.; Trinus, F. P.; Portnyagina, V. A.; Ryabukha, T. K.; Klebanov, B. M.
PA Kiev Scientific-Research Institute of Pharmacology and Toxicology, USSR
SO U.S.S.R.
From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1976, 53(47), 76.
CODEN: URXXAF
DT Patent
LA Russian
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 539878	T	19761225	SU 1975-2150345	19750604

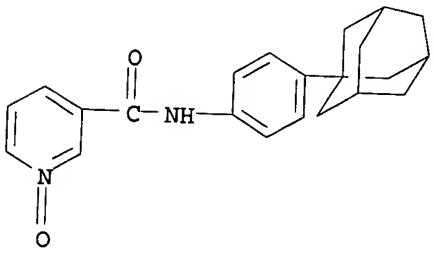
IT **62833-93-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 62833-93-6 CAPLUS
CN Benzoic acid, 2-[[(1-oxido-3-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)



L5 ANSWER 37 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI

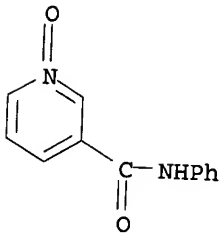


AB Ad = 1-adamantyl in this abstr. Pyridinecarboxamides I (n = 0, 1; R = Ad, p-AdC6H4, AdCHMe, AdCH2, AdCH2CH2), II (n = 0, 1), and III were prepd. in 29.8-73.0% yield by reaction of RNH2 with the resp. pyridinecarbonyl chlorides. The toxicities of I, II, and III were 150-1500 mg/kg; I (n = 1) and II (n = 1) were more toxic than I (n = 0) and II (n = 0). The most active analgesics were I, II, and III, where R = p-AdC6H4. The analgesic activity increases in going from the isonicotinic to picolinic acids. I (n = 1) and II (n = 1) had lower analgesic activity than I (n = 0) and II (n = 0). III (R = AdCH2CH2) had the max. antipyretic activity.
AN 1977:89560 CAPLUS
DN 86:89560
TI Synthesis and biological activity of adamantane derivatives. VI. Antiinflammatory action of adamantylamides of pyridinecarboxylic acids
AU Danilenko, G. I.; Mokhort, N. A.; Trinus, F. P.
CS Inst. Org. Khim., Kiev, USSR
SO Khim.-Farm. Zh. (1976), 10(8), 51-3
CODEN: KHFZAN
DT Journal
LA Russian
IT **61876-40-2P**
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antiinflammatory activity of)
RN 61876-40-2 CAPLUS
CN 3-Pyridinecarboxamide, N-(4-tricyclo[3.3.1.13,7]dec-1-ylphenyl)-, 1-oxide, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2002 ACS
AB Deuteration of N-oxides of anilides of .alpha.-picolinic acid revealed the position of their ir N-H stretching vibration bands. The bands were shifted within the range of aromatic C-H group absorption due to the intramol. H bond with the O atom.
AN 1971:475600 CAPLUS
DN 75:75600
TI Intramolecular hydrogen bond. IV. The ir spectra of N-oxides of anilides of pyridinecarboxylic acids
AU Mirek, Julian; Holak, Tadeusz; Sepiol, Janusz
CS Univ. Krakow, Cracow, Pol.
SO Rocz. Chem. (1971), 45(2), 205-9
CODEN: ROCHAC
DT Journal
LA Polish
IT **14178-43-9**
RL: PRP (Properties)
(spectrum of, ir)
RN 14178-43-9 CAPLUS
CN 3-Pyridinecarboxamide, N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)



L5 ANSWER 39 OF 39 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Benzoylpyridine oximes and their N-oxides were synthesized and their syn-phenyl (I and II) and anti phenyl (III and IV) isomers were characterized from the Beckmann reaction. The following compds. were identified: [pyridyl attachment, m.p. I and III, and m.p. (decompn.) II

and IV given]: 2, 151-2.5.degree., 163-4.5.degree., -, 219-22.degree.; 3, 141-3.degree., 162-3.degree., 222-4.degree., 178-80.degree.; 4, 152-5.degree., 186-8.degree., 229-30.degree., 222-3.degree..

AN 1967:85680 CAPLUS

DN 66:85680

TI Beckmann rearrangement of benzoylpyridine oximes and their N-oxides

AU Kato, Tetsuzo; Goto, Yoshinobu; Chiba, Takuo

CS Tohoku Univ., Sendai, Japan

SO Yakugaku Zasshi (1966), 86(11), 1022-6
CODEN: YKKZAJ

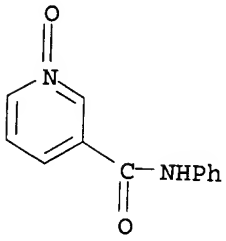
DT Journal

LA Japanese

IT **14178-43-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 14178-43-9 CAPLUS

CN 3-Pyridinecarboxamide, N-phenyl-, 1-oxide (9CI) (CA INDEX NAME)



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NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX,

Print selected from Online session05/02/2003

ENERGY, INSPEC

NEWS EXPRESS	January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:29:30 ON 05 FEB 2003

=> file registry
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 18:29:42 ON 05 FEB 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5
DICTIONARY FILE UPDATES: 4 FEB 2003 HIGHEST RN 485752-98-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10015861b.str

L1 STRUCTURE UPLOADED

Print selected from Online session05/02/2003

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=> s l1
SAMPLE SEARCH INITIATED 18:29:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      3 TO ITERATE

100.0% PROCESSED       3 ITERATIONS                                  3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            3 TO      163
PROJECTED ANSWERS:               3 TO      163

L2            3 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 18:30:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     46 TO ITERATE

100.0% PROCESSED      46 ITERATIONS                                 44 ANSWERS
SEARCH TIME: 00.00.01

L3            44 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     148.15     148.36

FILE 'CAPLUS' ENTERED AT 18:30:10 ON 05 FEB 2003
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FILE COVERS 1907 - 5 Feb 2003  VOL 138 ISS 6
FILE LAST UPDATED: 4 Feb 2003  (20030204/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s l3
L4            3 L3

=> d abs bib fhitstr 1-3

L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2003 ACS
GI
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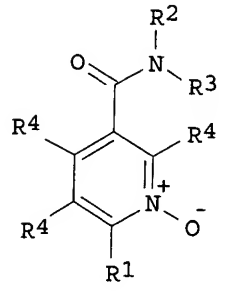

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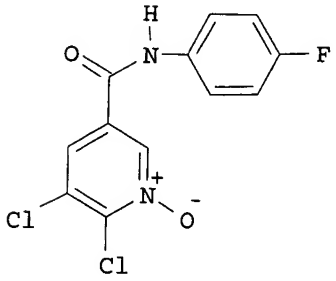

II

AB Title compds. I, their optical isomers, diastereomers, enantiomers and pharmaceutically acceptable salts [wherein: R1 = R5, R5-heteroalkylene; R5 = H, halo, alkyl, heteroalkyl, etc.; R2, R3 = H, alkyl, heteroalkyl, aryl, etc.; R4 = H, halo, alkyl, heteroalkyl, etc.] were claimed. For example, hydrogen peroxide mediated N-oxidn. of 2-chloro-N-(4-fluorophenyl)-6-methylnicotinamide provided claimed oxynicotinamide II in 10% yield. Nicotinanilide N-oxides I are disclosed to inhibit chemokine-mediated cellular and inflammation events. Specific binding of 95 claimed examples to human interleukin 8 and human growth-regulatory oncogene-.alpha. (GRO-.alpha.) chemokine were reported as < or > 40% at 20 .mu.M ligand concn., e.g., compd. II > 40% for GRO-.alpha., were disclosed. Also, the specific binding of 9 claimed examples to human chemokine CCR5, human interleukin-CXCR1, human interleukin-CXCR2, human neuropeptide Y1 and somatostatin, e.g., compd. II: < 40% for CCR5, somatostatin; > 40% for CXCR1, CXCR2; no data for NYP1, were disclosed. A method for the identification of nicotinanilide-N-oxides. I receptors from cell or cellular components and the isolation of compds. I which bind to TNF-.alpha. signaling proteins via affinity bead chromatog. and surface plasmon resonance (SPR) are claimed (no data).

AN 2002:521710 CAPLUS

DN 137:93690

TI Preparation of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist for the treatment of inflammation due to neutrophil chemotaxis

IN Cutshall, Neil S.; Yager, Kraig M.

PA Darwin Discovery Ltd., UK

SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053544	A1	20020711	WO 2001-US47543	20011212
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 20030004189	A1	20030102	US 2001-15861	20011212
PRAI	US 2000-258730P	P	20001229		

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OS MARPAT 137:93690

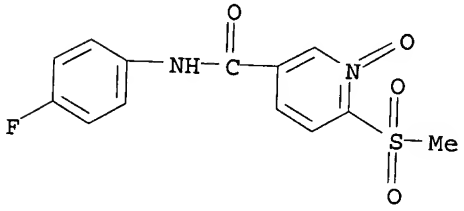
IT **364078-34-2P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)

RN 364078-34-2 CAPLUS

CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

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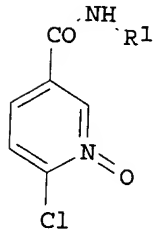

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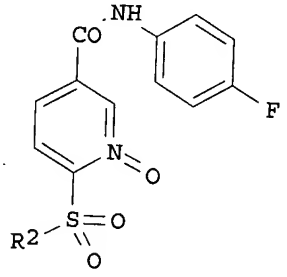


II

AB A series of nicotinamide N-oxides, I [R1 = 4-F-, 4-I-, 4-Me3C-, 2-HO-, 4-MeO-C6H4, Ph2CH-, 4-F-C6H4CH2-, cyclohexyl] and II [R2 = Me-, Et-, Me2CH-, Ph-, 4-HO2CC6H4-, PhCH2-, cyclopentyl], was synthesized and shown to be novel, potent, and selective antagonists of the CXCR2 receptor. Furthermore, these compds. showed significant functional activity against GRO-.alpha.-driven human neutrophil chemotaxis. Compds. of this class may be useful for the treatment of inflammatory, auto-immune, and allergic disorders.

AN 2001:518633 CAPLUS

DN 135:272846

TI Nicotinamide N-Oxides as CXCR2 antagonists

AU Cutshall, N. S.; Ursino, R.; Kucera, K. A.; Latham, J.; Ihle, N. C.

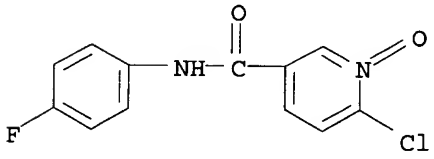
CS Department of Chemistry, Celltech R&D, Inc., Bothell, WA, 98021, USA

SO Bioorganic & Medicinal Chemistry Letters (2001), 11(14), 1951-1954
CODEN: BMCLE8; ISSN: 0960-894X

data not good

Print selected from Online session05/02/2003

PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 135:272846
IT **364078-26-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and anti-inflammatory structure-activity relationships of nicotinamide N-oxides as CXCR2 antagonists)
RN 364078-26-2 CAPLUS
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
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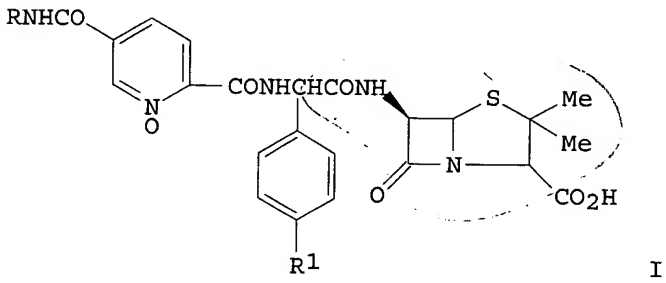

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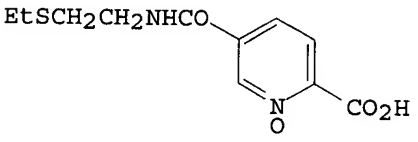


II

AB Ninety-one penicillin derivs. (I; R = alkyl, alkenyl, aryl, aralkyl, heterocycle, etc.; R1 = H, HO), effective bactericides at 0.1-12.5 mg/.mu.L, were prepd. Thus, 2 mmol ClCO2CH2CHMe2 was added to a soln. of 2 mmol II and 2 mmol Et3N in DMF at -30.degree. to -20.degree. to give a mixed anhydride, which was treated with 2.4 mmol ampicillin trihydrate and 3 mmol Et3N in aq. DMF to give 700 mg I.Na (R = EtSCH2CH2).
AN 1984:68067 CAPLUS
DN 100:68067

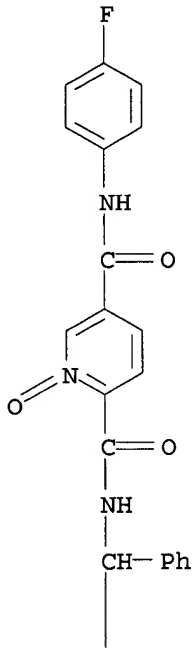
Print selected from Online session05/02/2003

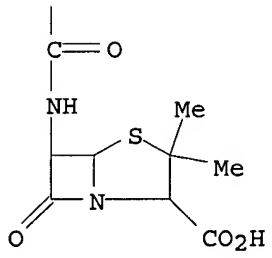
TI Penicillin derivatives
PA Banyu Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 28 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 58131987	A2	19830806	JP 1982-14297	19820202
PRAI JP 1982-14297		19820202		

IT **88659-59-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 88659-59-0 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[[5-[[(4-fluorophenyl)amino]carbonyl]-1-oxido-2-pyridinyl]carbonyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]- (9CI) (CA INDEX NAME)

PAGE 1-A





● Na

=> file uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.86	163.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

FILE 'USPATFULL' ENTERED AT 18:31:54 ON 05 FEB 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 18:31:54 ON 05 FEB 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l3
L5 1 L3

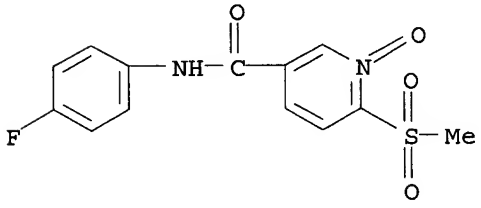
=> d abs bib hitstr

L5 ANSWER 1 OF 1 USPATFULL
AB Disclosed are nicotinanilide-N-oxide compounds, methods for their production, pharmaceutical compositions which include these compounds, and methods for their use in various therapies.

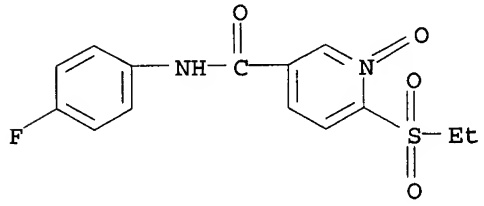
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2003:4148 USPATFULL
TI Pharmaceutical uses and synthesis of nicotinanilide-N-oxides
IN Cutshall, Neil S., Everett, WA, UNITED STATES
Yager, Kraig M., Snohomish, WA, UNITED STATES
PA Darwin Discovery Ltd., Slough, UNITED KINGDOM (U.S. corporation)
PI US 2003004189 A1 20030102
AI US 2001-15861 A1 20011212 (10)
PRAI US 2000-258730P 20001229 (60)
DT Utility
FS APPLICATION
LREP SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092
CLMN Number of Claims: 44
ECL Exemplary Claim: 1
DRWN No Drawings

LN.CNT 1901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **364078-34-2P 364078-37-5P 364078-39-7P**
364078-40-0P 364078-42-2P 364078-43-3P
364078-45-5P 442133-97-3P 442133-98-4P
442133-99-5P 442134-00-1P 442134-01-2P
442134-02-3P 442134-03-4P 442134-04-5P
442134-05-6P 442134-06-7P 442134-07-8P
442134-08-9P 442134-09-0P 442134-10-3P
442134-11-4P 442134-12-5P 442134-14-7P
442134-17-0P 442134-27-2P 442134-29-4P
442134-46-5P 442134-51-2P 442134-65-8P
442134-66-9P 442134-67-0P 442134-68-1P
442134-69-2P
(drug candidate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)

RN 364078-34-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 364078-37-5 USPATFULL
CN 3-Pyridinecarboxamide, 6-(ethylsulfonyl)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 364078-39-7 USPATFULL
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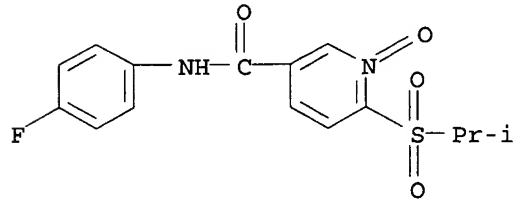
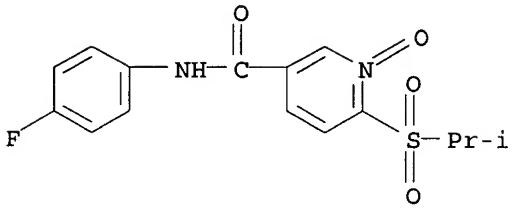
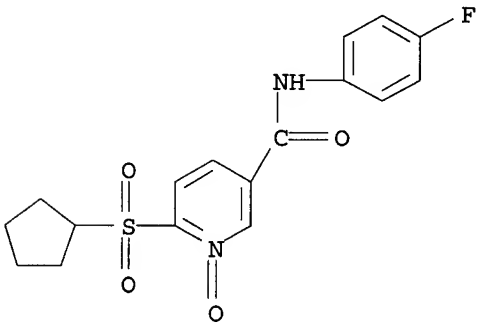
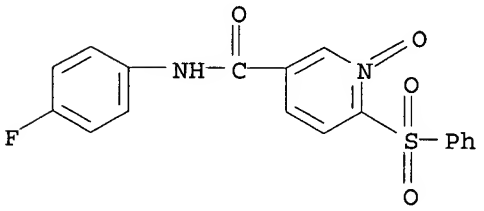




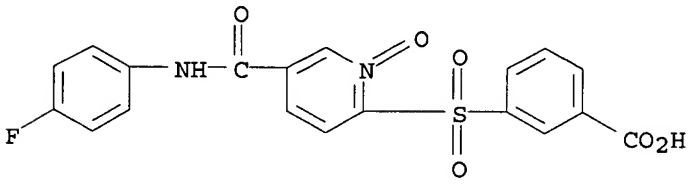
RN 364078-40-0 USPATFULL
CN 3-Pyridinecarboxamide, 6-(cyclopentylsulfonyl)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 364078-42-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(phenylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)

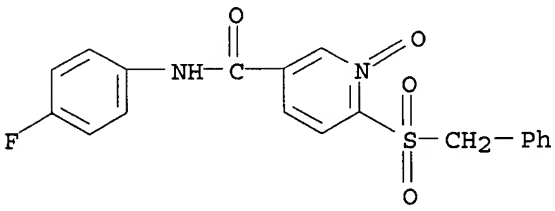


RN 364078-43-3 USPATFULL
CN Benzoic acid, 3-[[5-[[(4-fluorophenyl)amino]carbonyl]-1-oxido-2-pyridinyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 364078-45-5 USPATFULL

CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(phenylmethyl)sulfonyl]-, 1-oxide (9CI) (CA INDEX NAME)



RN 442133-97-3 USPATFULL
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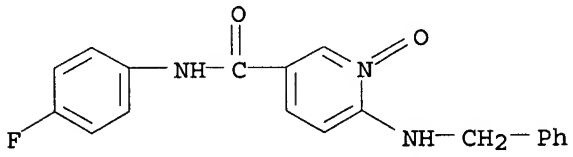
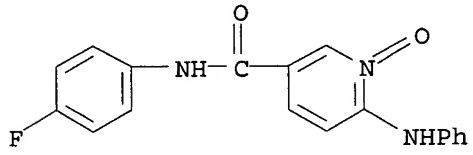
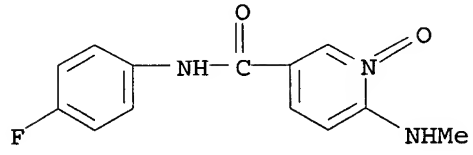


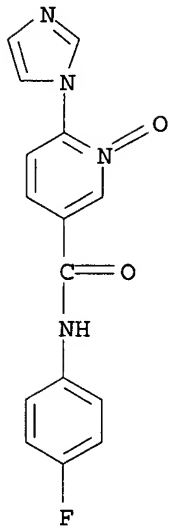
RN 442133-98-4 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(phenylamino)-, 1-oxide (9CI) (CA INDEX NAME)



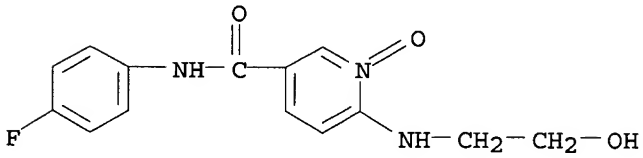
RN 442133-99-5 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylamino)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-00-1 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(1H-imidazol-1-yl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-01-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(2-hydroxyethyl)amino]-, 1-oxide (9CI) (CA INDEX NAME)



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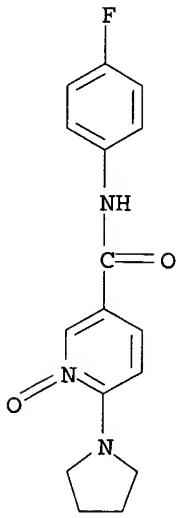

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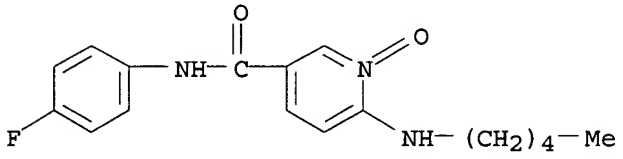

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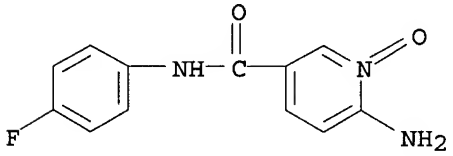

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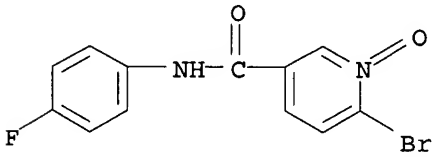

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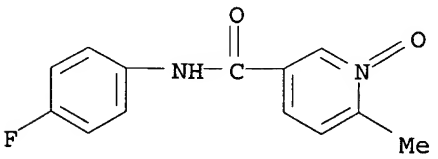

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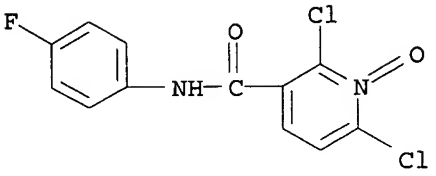
CN 3-Pyridinecarboxamide, 2,6-dichloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



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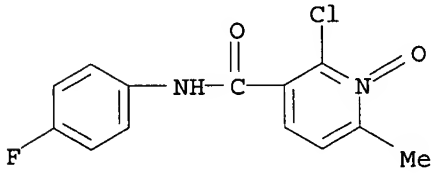

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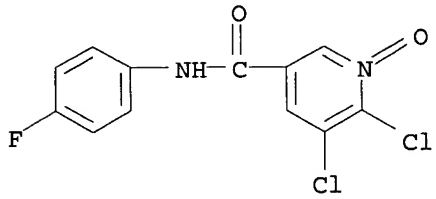

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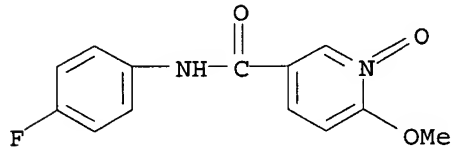

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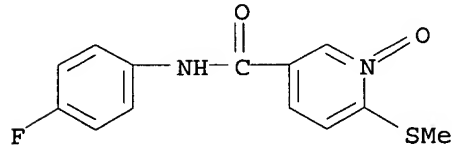

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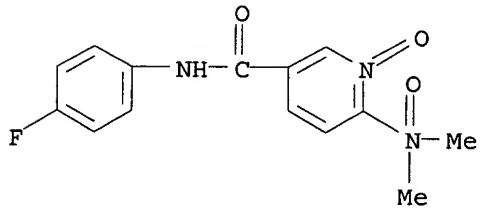

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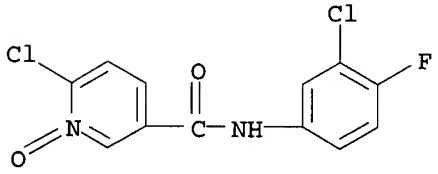
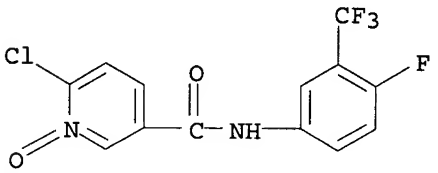
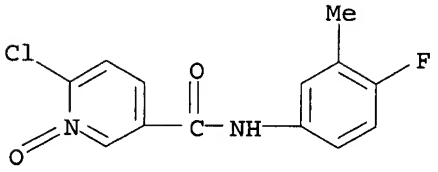
CN 3-Pyridinecarboxamide, 6-chloro-N-(3-chloro-4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-17-0 USPATFULL
CN 3-Pyridinecarboxamide, 6-chloro-N-[4-fluoro-3-(trifluoromethyl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-27-2 USPATFULL
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluoro-3-methylphenyl)-, 1-oxide (9CI) (CA INDEX NAME)



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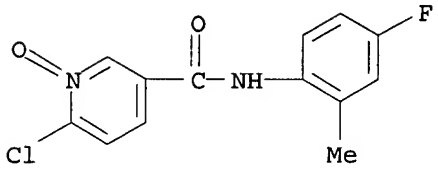
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluoro-2-methylphenyl)-, 1-oxide (9CI) (CA INDEX NAME)



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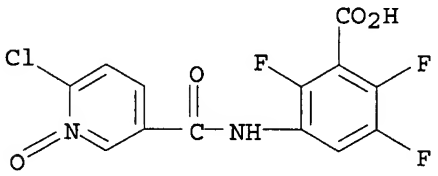
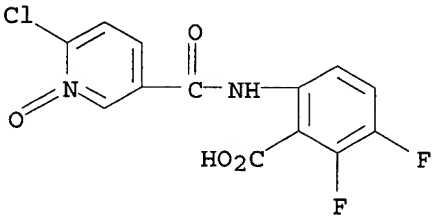
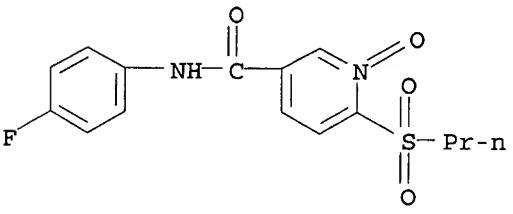


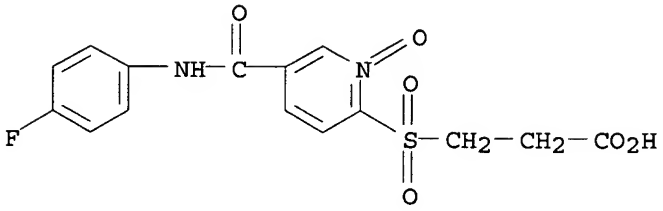
RN 442134-51-2 USPATFULL
CN Benzoic acid, 6-[[(6-chloro-1-oxido-3-pyridinyl)carbonyl]amino]-2,3-difluoro- (9CI) (CA INDEX NAME)



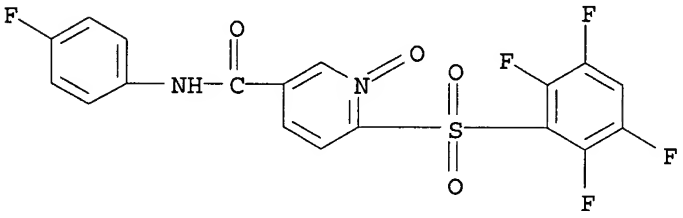
RN 442134-65-8 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(propylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-66-9 USPATFULL
CN Propanoic acid, 3-[[5-[[(4-fluorophenyl)amino]carbonyl]-1-oxido-2-pyridinyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 442134-67-0 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(2,3,5,6-tetrafluorophenyl)sulfonyl]-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-68-1 USPATFULL
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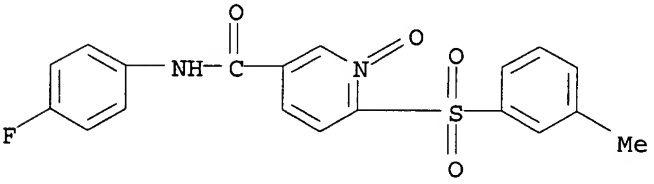

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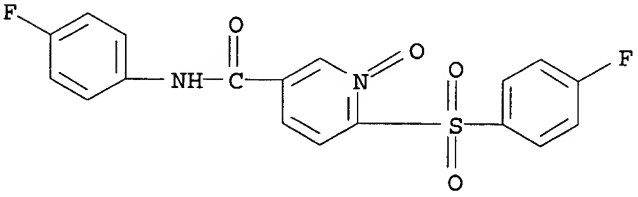
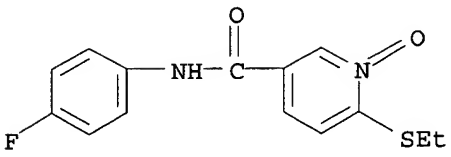


IT **364078-57-9P**
(intermediate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
RN 364078-57-9 USPATFULL
CN 3-Pyridinecarboxamide, 6-(ethylthio)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



IT **364078-26-2P**
(intermediate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
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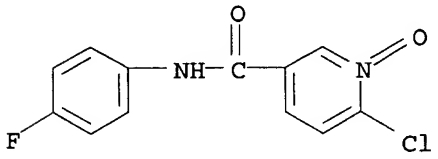
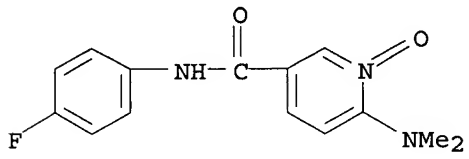
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



IT **442133-96-2P**
(prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
RN 442133-96-2 USPATFULL
CN 3-Pyridinecarboxamide, 6-(dimethylamino)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



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NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX,

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ENERGY, INSPEC

NEWS EXPRESS	January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
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SAMPLE SCREEN SEARCH COMPLETED -      3 TO ITERATE

100.0% PROCESSED       3 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            3 TO      163
PROJECTED ANSWERS:               3 TO      163

L2            3 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 18:30:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     46 TO ITERATE

100.0% PROCESSED      46 ITERATIONS                               44 ANSWERS
SEARCH TIME: 00.00.01

L3           44 SEA SSS FUL L1

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                                                         ENTRY    SESSION
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FILE COVERS 1907 - 5 Feb 2003  VOL 138 ISS 6
FILE LAST UPDATED: 4 Feb 2003  (20030204/ED)

  This file contains CAS Registry Numbers for easy and accurate
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L4            3 L3

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L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2003 ACS
GI
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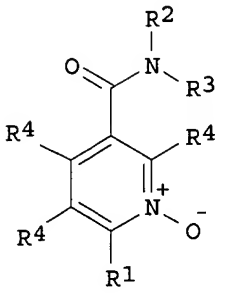

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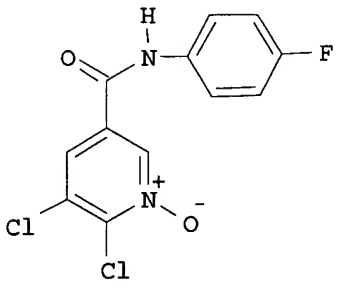


II

AB Title compds. I, their optical isomers, diastereomers, enantiomers and pharmaceutically acceptable salts [wherein: R1 = R5, R5-heteroalkylene; R5 = H, halo, alkyl, heteroalkyl, etc.; R2, R3 = H, alkyl, heteroalkyl, aryl, etc.; R4 = H, halo, alkyl, heteroalkyl, etc.] were claimed. For example, hydrogen peroxide mediated N-oxidn. of 2-chloro-N-(4-fluorophenyl)-6-methylnicotinamide provided claimed oxynicotinamide II in 10% yield. Nicotinanilide N-oxides I are disclosed to inhibit chemokine-mediated cellular and inflammation events. Specific binding of 95 claimed examples to human interleukin 8 and human growth-regulatory oncogene-.alpha. (GRO-.alpha.) chemokine were reported as < or > 40% at 20 .mu.M ligand concn., e.g., compd. II > 40% for GRO-.alpha., were disclosed. Also, the specific binding of 9 claimed examples to human chemokine CCR5, human interleukin-CXCR1, human interleukin-CXCR2, human neuropeptide Y1 and somatostatin, e.g., compd. II: < 40% for CCR5, somatostatin; > 40% for CXCR1, CXCR2; no data for NYP1, were disclosed. A method for the identification of nicotinanilide-N-oxides. I receptors from cell or cellular components and the isolation of compds. I which bind to TNF-.alpha. signaling proteins via affinity bead chromatog. and surface plasmon resonance (SPR) are claimed (no data).

AN 2002:521710 CAPLUS

DN 137:93690

TI Preparation of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist for the treatment of inflammation due to neutrophil chemotaxis

IN Cutshall, Neil S.; Yager, Kraig M.

PA Darwin Discovery Ltd., UK

SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2

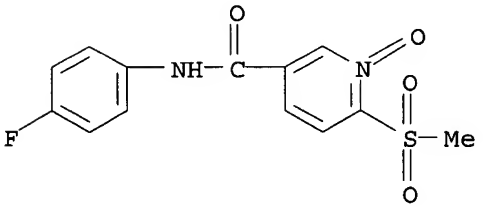
DT Patent

LA English

FAN.CNT 1

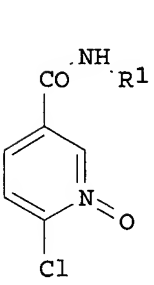
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053544	A1	20020711	WO 2001-US47543	20011212
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003004189	A1	20030102	US 2001-15861	20011212
PRAI	US 2000-258730P	P	20001229		

OS MARPAT 137:93690
IT **364078-34-2P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
RN 364078-34-2 CAPLUS
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
GI



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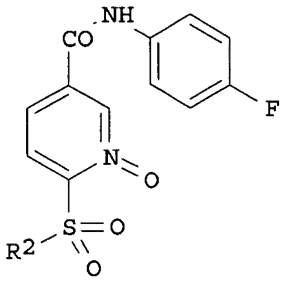
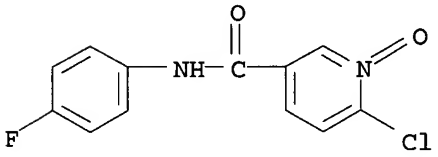


II

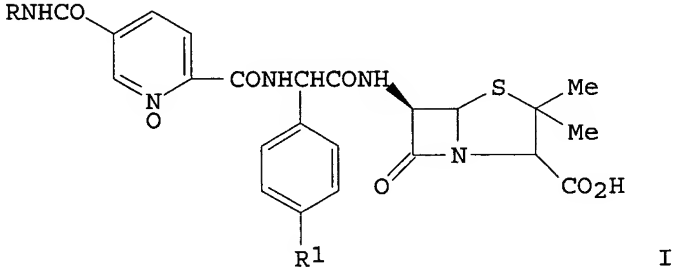
AB A series of nicotinamide N-oxides, I [R1 = 4-F-, 4-I-, 4-Me3C-, 2-HO-, 4-MeO-C6H4, Ph2CH-, 4-F-C6H4CH2-, cyclohexyl] and II [R2 = Me-, Et-, Me2CH-, Ph-, 4-HO2CC6H4-, PhCH2-, cyclopentyl], was synthesized and shown to be novel, potent, and selective antagonists of the CXCR2 receptor. Furthermore, these compds. showed significant functional activity against GRO-.alpha.-driven human neutrophil chemotaxis. Compds. of this class may be useful for the treatment of inflammatory, auto-immune, and allergic disorders.
AN 2001:518633 CAPLUS
DN 135:272846
TI Nicotinamide N-Oxides as CXCR2 antagonists
AU Cutshall, N. S.; Ursino, R.; Kucera, K. A.; Latham, J.; Ihle, N. C.
CS Department of Chemistry, Celltech R&D, Inc., Bothell, WA, 98021, USA
SO Bioorganic & Medicinal Chemistry Letters (2001), 11(14), 1951-1954
CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 135:272846
IT **364078-26-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and anti-inflammatory structure-activity relationships of nicotinamide N-oxides as CXCR2 antagonists)
RN 364078-26-2 CAPLUS
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
GI



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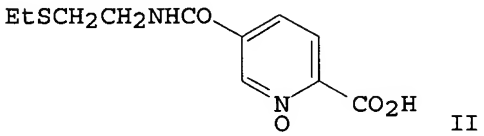


II

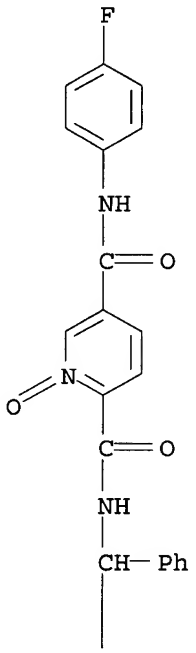
AB Ninety-one penicillin derivs. (I; R = alkyl, alkenyl, aryl, aralkyl, heterocycle, etc.; R1 = H, HO), effective bactericides at 0.1-12.5 mg/.mu.L, were prepd. Thus, 2 mmol ClCO2CH2CHMe2 was added to a soln. of 2 mmol II and 2 mmol Et3N in DMF at -30.degree. to -20.degree. to give a mixed anhydride, which was treated with 2.4 mmol ampicillin trihydrate and 3 mmol Et3N in aq. DMF to give 700 mg I.Na (R = EtSCH2CH2).
AN 1984:68067 CAPLUS
DN 100:68067

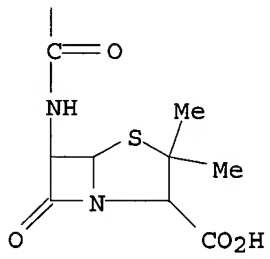
TI Penicillin derivatives
PA Banyu Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 28 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 58131987	A2	19830806	JP 1982-14297	19820202
PRAI JP 1982-14297		19820202		

IT **88659-59-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 88659-59-0 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[[5-[[(4-fluorophenyl)amino]carbonyl]-1-oxido-2-pyridinyl]carbonyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, monosodium salt, [2S-[2.alpha.,5.alpha.,6.beta.(S*)]]- (9CI) (CA INDEX NAME)

PAGE 1-A





● Na

=> file uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.86	163.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

FILE 'USPATFULL' ENTERED AT 18:31:54 ON 05 FEB 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 18:31:54 ON 05 FEB 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l3
L5 1 L3

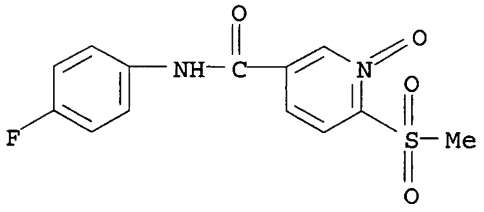
=> d abs bib hitstr

L5 ANSWER 1 OF 1 USPATFULL
AB Disclosed are nicotinanilide-N-oxide compounds, methods for their production, pharmaceutical compositions which include these compounds, and methods for their use in various therapies.

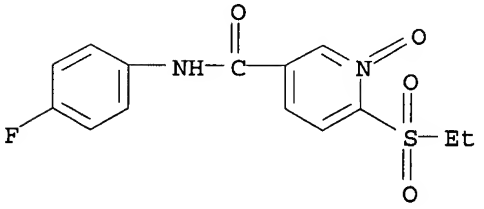
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2003:4148 USPATFULL
TI Pharmaceutical uses and synthesis of nicotinanilide-N-oxides
IN Cutshall, Neil S., Everett, WA, UNITED STATES
Yager, Kraig M., Snohomish, WA, UNITED STATES
PA Darwin Discovery Ltd., Slough, UNITED KINGDOM (U.S. corporation)
PI US 2003004189 A1 20030102
AI US 2001-15861 A1 20011212 (10)
PRAI US 2000-258730P 20001229 (60)
DT Utility
FS APPLICATION
LREP SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092
CLMN Number of Claims: 44
ECL Exemplary Claim: 1
DRWN No Drawings

LN.CNT 1901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **364078-34-2P 364078-37-5P 364078-39-7P**
364078-40-0P 364078-42-2P 364078-43-3P
364078-45-5P 442133-97-3P 442133-98-4P
442133-99-5P 442134-00-1P 442134-01-2P
442134-02-3P 442134-03-4P 442134-04-5P
442134-05-6P 442134-06-7P 442134-07-8P
442134-08-9P 442134-09-0P 442134-10-3P
442134-11-4P 442134-12-5P 442134-14-7P
442134-17-0P 442134-27-2P 442134-29-4P
442134-46-5P 442134-51-2P 442134-65-8P
442134-66-9P 442134-67-0P 442134-68-1P
442134-69-2P
(drug candidate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)

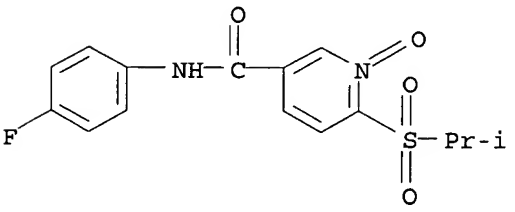
RN 364078-34-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)

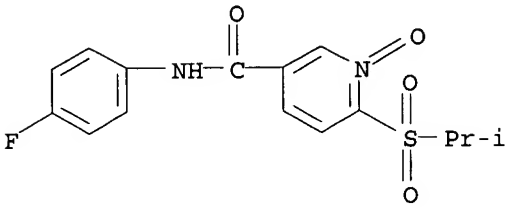


RN 364078-37-5 USPATFULL
CN 3-Pyridinecarboxamide, 6-(ethylsulfonyl)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)

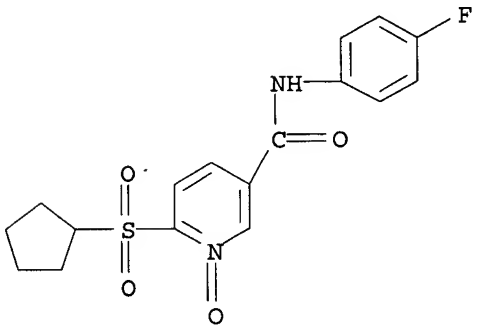


RN 364078-39-7 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(1-methylethyl)sulfonyl]-, 1-oxide (9CI) (CA INDEX NAME)

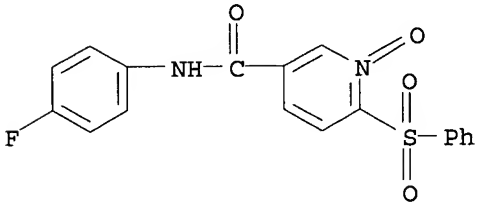




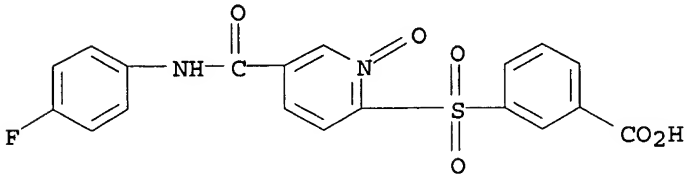
RN 364078-40-0 USPATFULL
CN 3-Pyridinecarboxamide, 6-(cyclopentylsulfonyl)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 364078-42-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(phenylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)

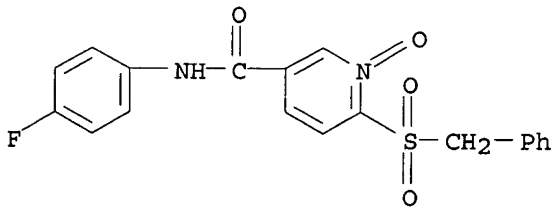


RN 364078-43-3 USPATFULL
CN Benzoic acid, 3-[[5-[[(4-fluorophenyl)amino]carbonyl]-1-oxido-2-pyridinyl]sulfonyl]- (9CI) (CA INDEX NAME)

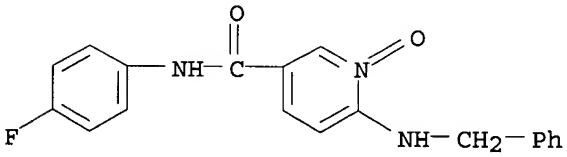


RN 364078-45-5 USPATFULL

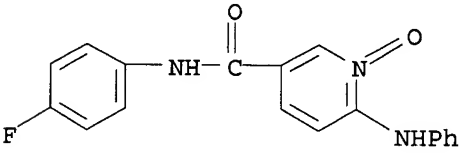
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(phenylmethyl)sulfonyl]-, 1-oxide (9CI) (CA INDEX NAME)



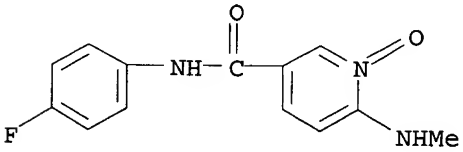
RN 442133-97-3 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(phenylmethyl)amino]-, 1-oxide (9CI) (CA INDEX NAME)



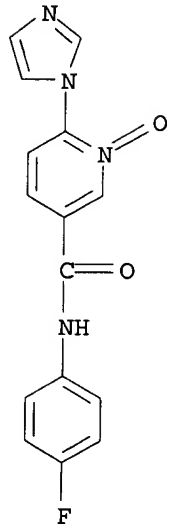
RN 442133-98-4 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(phenylamino)-, 1-oxide (9CI) (CA INDEX NAME)



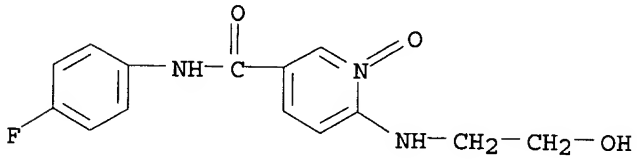
RN 442133-99-5 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylamino)-, 1-oxide (9CI) (CA INDEX NAME)



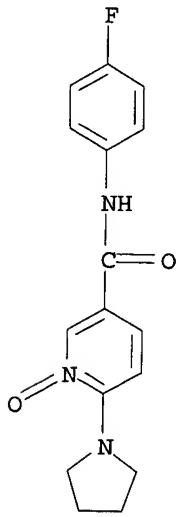
RN 442134-00-1 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(1H-imidazol-1-yl)-, 1-oxide (9CI) (CA INDEX NAME)



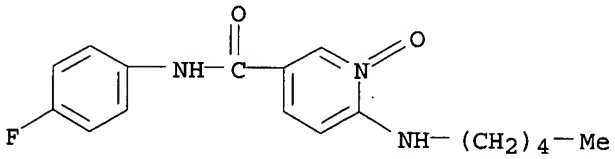
RN 442134-01-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(2-hydroxyethyl)amino]-, 1-oxide (9CI) (CA INDEX NAME)



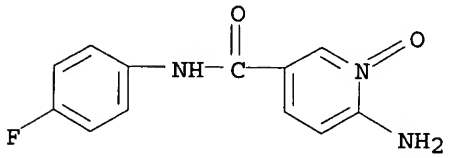
RN 442134-02-3 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(1-pyrrolidinyl)-, 1-oxide (9CI) (CA INDEX NAME)



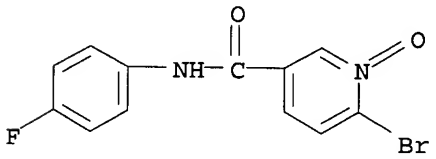
RN 442134-03-4 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(pentylamino)-, 1-oxide (9CI) (CA INDEX NAME)



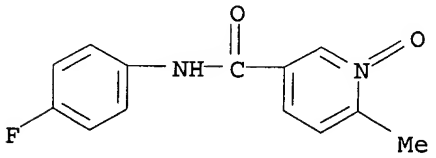
RN 442134-04-5 USPATFULL
CN 3-Pyridinecarboxamide, 6-amino-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



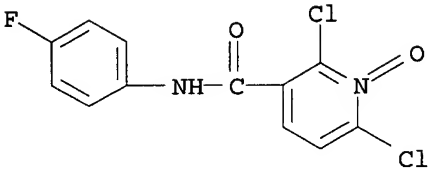
RN 442134-05-6 USPATFULL
CN 3-Pyridinecarboxamide, 6-bromo-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-06-7 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-methyl-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-07-8 USPATFULL
CN 3-Pyridinecarboxamide, 2,6-dichloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-08-9 USPATFULL
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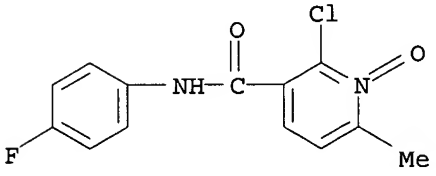
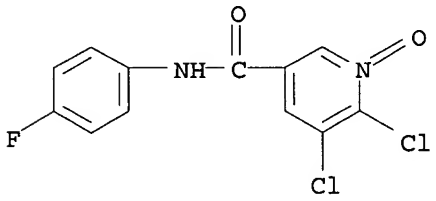
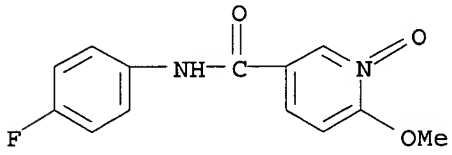


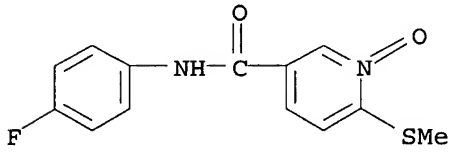
RN 442134-09-0 USPATFULL
CN 3-Pyridinecarboxamide, 5,6-dichloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



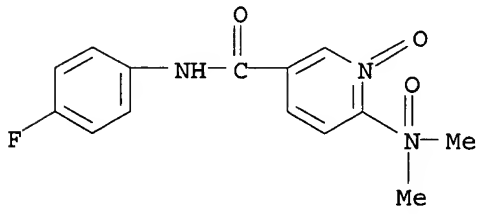
RN 442134-10-3 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-methoxy-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-11-4 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(methylthio)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-12-5 USPATFULL
CN 3-Pyridinecarboxamide, 6-(dimethyloxidoamino)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



RN 442134-14-7 USPATFULL
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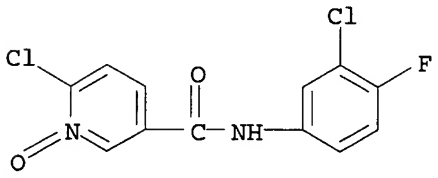
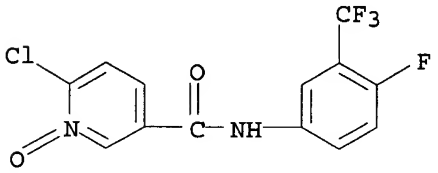


RN 442134-17-0 USPATFULL
CN 3-Pyridinecarboxamide, 6-chloro-N-[4-fluoro-3-(trifluoromethyl)phenyl]-, 1-oxide (9CI) (CA INDEX NAME)



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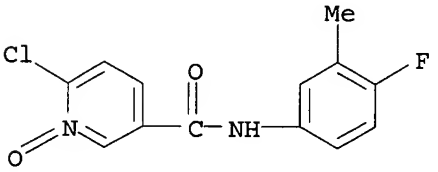
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluoro-3-methylphenyl)-, 1-oxide (9CI) (CA INDEX NAME)



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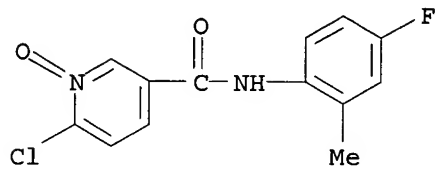
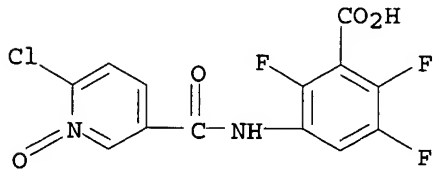
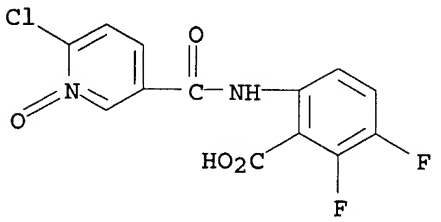
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluoro-2-methylphenyl)-, 1-oxide (9CI) (CA INDEX NAME)



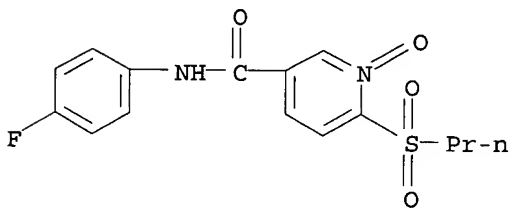
RN 442134-46-5 USPATFULL
CN Benzoic acid, 3-[[(6-chloro-1-oxido-3-pyridinyl)carbonyl]amino]-2,5,6-trifluoro- (9CI) (CA INDEX NAME)



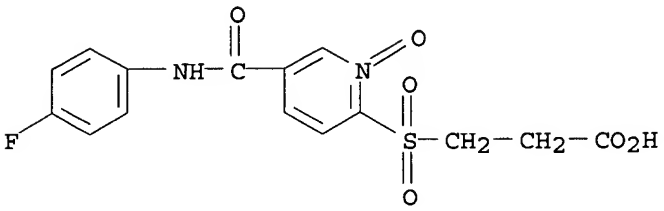
RN 442134-51-2 USPATFULL
CN Benzoic acid, 6-[[(6-chloro-1-oxido-3-pyridinyl)carbonyl]amino]-2,3-difluoro- (9CI) (CA INDEX NAME)



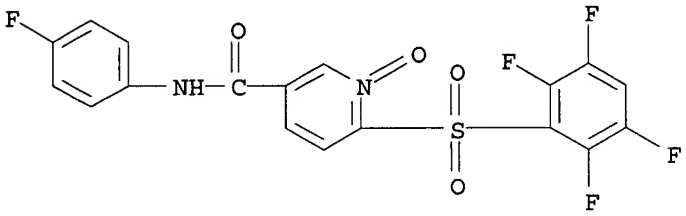
RN 442134-65-8 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-(propylsulfonyl)-, 1-oxide (9CI) (CA INDEX NAME)



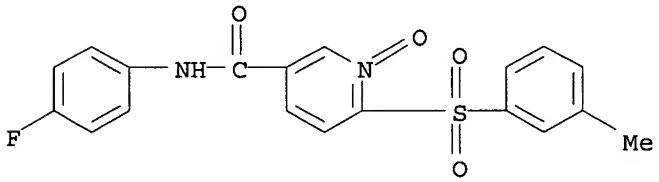
RN 442134-66-9 USPATFULL
CN Propanoic acid, 3-[[5-[[(4-fluorophenyl)amino]carbonyl]-1-oxido-2-pyridinyl]sulfonyl]- (9CI) (CA INDEX NAME)



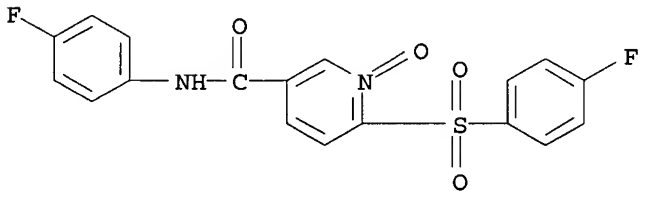
RN 442134-67-0 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(2,3,5,6-tetrafluorophenyl)sulfonyl]-, 1-oxide (9CI) (CA INDEX NAME)



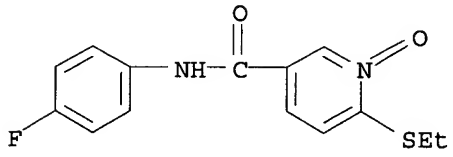
RN 442134-68-1 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(3-methylphenyl)sulfonyl]-, 1-oxide (9CI) (CA INDEX NAME)



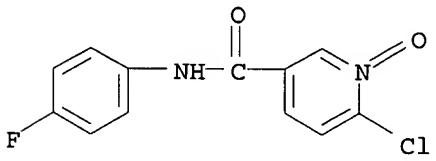
RN 442134-69-2 USPATFULL
CN 3-Pyridinecarboxamide, N-(4-fluorophenyl)-6-[(4-fluorophenyl)sulfonyl]-, 1-oxide (9CI) (CA INDEX NAME)



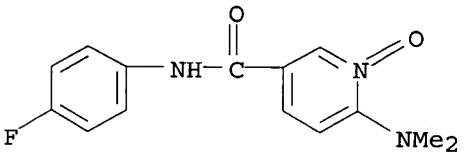
IT **364078-57-9P**
(intermediate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
RN 364078-57-9 USPATFULL
CN 3-Pyridinecarboxamide, 6-(ethylthio)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



IT **364078-26-2P**
(intermediate; prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
RN 364078-26-2 USPATFULL
CN 3-Pyridinecarboxamide, 6-chloro-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



IT **442133-96-2P**
(prepn. of nicotinanilide-N-oxides as G-protein-coupled receptor antagonist)
RN 442133-96-2 USPATFULL
CN 3-Pyridinecarboxamide, 6-(dimethylamino)-N-(4-fluorophenyl)-, 1-oxide (9CI) (CA INDEX NAME)



=> logoff y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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NEWS  3  Apr 09  BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS  4  Apr 09  ZDB will be removed from STN
NEWS  5  Apr 19  US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS  6  Apr 22  Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS  7  Apr 22  BIOSIS Gene Names now available in TOXCENTER
NEWS  8  Apr 22  Federal Research in Progress (FEDRIP) now available
NEWS  9  Jun 03  New e-mail delivery for search results now available
NEWS 10  Jun 10  MEDLINE Reload
NEWS 11  Jun 10  PCTFULL has been reloaded
NEWS 12  Jul 02  FOREGE no longer contains STANDARDS file segment
NEWS 13  Jul 22  USAN to be reloaded July 28, 2002;
                 saved answer sets no longer valid
NEWS 14  Jul 29  Enhanced polymer searching in REGISTRY
NEWS 15  Jul 30  NETFIRST to be removed from STN
NEWS 16  Aug 08  CANCERLIT reload
NEWS 17  Aug 08  PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18  Aug 08  NTIS has been reloaded and enhanced
NEWS 19  Aug 09  JAPIO to be reloaded August 25, 2002
NEWS 20  Aug 19  Aquatic Toxicity Information Retrieval (AQUIRE)
                 now available on STN
NEWS 21  Aug 19  IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 22  Aug 19  The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 23  Aug 26  Sequence searching in REGISTRY enhanced

NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
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              AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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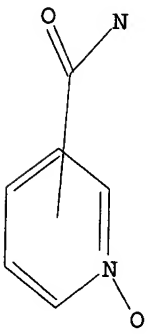

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BATCH **COMPLETE**
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PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

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100.0% PROCESSED 8993 ITERATIONS 33 ANSWERS
SEARCH TIME: 00.00.01

L3 33 SEA SSS FUL L1

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COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	140.28	140.49

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CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

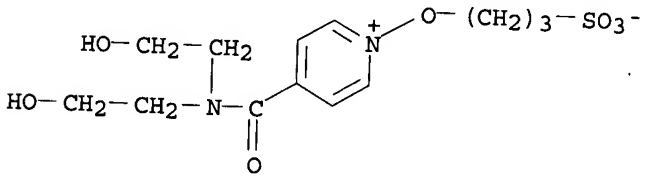
=> s l3
L4 9 L3

=> d abs bib hitstr 1-9

L4 ANSWER 1 OF 9 USPATFULL
AB A UV or visible-light sensitive photobleachable dye composition substantially free of polymerizable monomer comprising a photobleachable dye and an N-oxyazinium compound, a photographic element containing such a photobleachable composition, and a method for bleaching a photographic element.

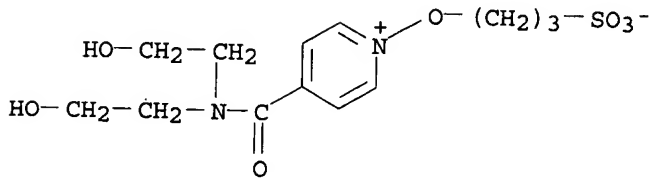
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:88189 USPATFULL
TI Photobleachable composition, photographic element containing the composition and photobleachable method
IN Goswami, Ramanuj, Webster, NY, United States
Farid, Samir Y., Rochester, NY, United States
Perry, Robert J., Niskayuna, NY, United States
Zielinski, Paul A., Rochester, NY, United States
Gould, Ian R., Phoenix, AZ, United States
Williams, Kevin W., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 6376163 B1 20020423
AI US 2000-510002 20000222 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Le, Hoa Van
LREP Rice, Edith A.

CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 903
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **330601-79-1**
(photobleachable compn. contg. dye and oxyazinium compd.)
RN 330601-79-1 USPATFULL
CN Pyridinium, 4-[[bis(2-hydroxyethyl)amino]carbonyl]-1-(3-sulfopropoxy)-, inner salt (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 9 USPATFULL
AB A method for reducing dye stain of an exposed photographic element, said element comprising a support having thereon at least one image-forming layer containing a photobleachable dye, the method comprising processing the element, and exposing the processed element, in presence of a N-oxyazinium, to radiation that can be absorbed either by the photobleachable dye or by the N-oxyazinium.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2001:205550 USPATFULL
TI Method for reducing the dye stain in photographic elements
IN Farid, Samir Y., Rochester, NY, United States
Goswami, Ramanuj, Webster, NY, United States
Craver, Mary E., Rochester, NY, United States
Mangus, John M., Rochester, NY, United States
PI US 2001041314 A1 20011115
US 6436624 B2 20020820
AI US 2000-729330 A1 20001204 (9)
RLI Division of Ser. No. US 2000-510012, filed on 22 Feb 2000, GRANTED, Pat. No. US 6207359
DT Utility
FS APPLICATION
LREP Sarah Meeks Roberts, Patent Legal Staff, Eastman kodak Company, 343 State Street, Rochester, NY, 14650
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **330601-79-1**
(N-oxyazinium compds. for photobleaching sensitizing dye in photog. elements)
RN 330601-79-1 USPATFULL
CN Pyridinium, 4-[[bis(2-hydroxyethyl)amino]carbonyl]-1-(3-sulfopropoxy)-, inner salt (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 9 USPATFULL

AB A method for reducing dye stain of an exposed photographic element, said element comprising a support having thereon at least one image-forming layer containing a photobleachable dye, the method comprising processing the element, and exposing the processed element, in presence of a N-oxyazinium, to radiation that can be absorbed either by the photobleachable dye or by the N-oxyazinium.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2001:43917 USPATFULL

TI Method for reducing the dye stain in photographic elements

IN Farid, Samir Y., Rochester, NY, United States
Goswami, Ramanuj, Webster, NY, United States
Craver, Mary E., Rochester, NY, United States
Mangus, John M., Rochester, NY, United States

PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)

PI US 6207359 B1 20010327

AI US 2000-510012 20000222 (9)

DT Utility

FS Granted

EXNAM Primary Examiner: Le, Hoa Van

LREP Rice, Edith A.

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN No Drawings

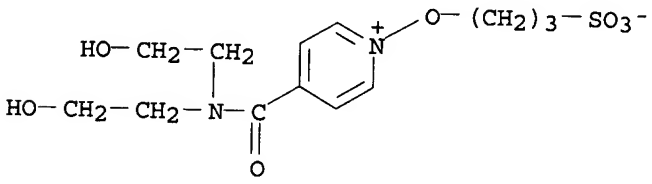
LN.CNT 874

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **330601-79-1**
(N-oxyazinium compds. for photobleaching sensitizing dye in photog. elements)

RN 330601-79-1 USPATFULL

CN Pyridinium, 4-[[bis(2-hydroxyethyl)amino]carbonyl]-1-(3-sulfopropoxy)-, inner salt (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 9 USPATFULL

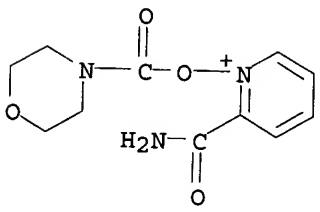
AB In a process for the chain-lengthening of gelatine the gelatine is brought into contact with a hardening agent which can activate the carboxyl groups of the gelatine. The result is a partially hardened

gelatine which has advantageous properties as for the production of photographic layers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 83:60234 USPATFULL
TI Process for the chain-lengthening of gelatine by partial hardening
IN Jung, Heinrich, Leverkusen, Germany, Federal Republic of
Biskup, Ulrich, Cologne, Germany, Federal Republic of
PA Agfa-Gevaert Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)
PI US 4421847 19831220
AI US 1981-329731 19811211 (6)
RLI Continuation of Ser. No. US 1980-157464, filed on 9 Jun 1980, now abandoned
PRAI DE 1979-2924035 19790613
DT Utility
FS Granted
EXNAM Primary Examiner: Brown, J. Travis
LREP Connolly & Hutz
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 1076
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **57845-69-9**
(photog. hardening agent)
RN 57845-69-9 USPATFULL
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

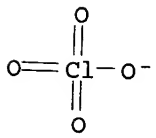
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4



CM 2

CRN 14797-73-0
CMF Cl O4



L4 ANSWER 5 OF 9 USPATFULL

AB The light-sensitive color photographic silver halide recording material contains in at least one of its light-sensitive gelatine-containing layer, color formers for the formation of the image dyes in the three primary colors, a crosslinking agent activating the carboxyl groups of gelatine selected from carbamoylonium salts, carbamoylpyridinium salts and carbamoyloxypyridinium salts and a compound acting as aldehyde-scavenger which corresponds to the general formula ##STR1## wherein Z represents the atoms required for completing a 5-6-membered substituted or unsubstituted carbocyclic ring or a substituted or unsubstituted heterocyclic ring which may contain oxygen, nitrogen or sulfur as hetero-atom.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 83:56219 USPATFULL

TI Light-sensitive photographic silver halide recording material

IN Langen, Hans, Bonn, Germany, Federal Republic of
Wolff, Erich, Solingen, Germany, Federal Republic of
Ranz, Erwin, Leverkusen, Germany, Federal Republic of

PA Agfa Gevaert Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)

PI US 4418142 19831129

AI US 1981-307858 19811002 (6)

PRAI DE 1980-3037912 19801008

DT Utility

FS Granted

EXNAM Primary Examiner: Louie, Jr., Won H.

LREP Connolly and Hutz

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 658

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **57845-69-9**

(photog. hardening agent; color photog. films contg. aldehyde scavenger and, for improved storage stability)

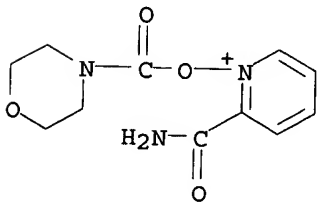
RN 57845-69-9 USPATFULL

CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

CM 1

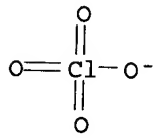
CRN 57845-68-8

CMF C11 H14 N3 O4



CM 2

CRN 14797-73-0
CMF Cl O4



L4 ANSWER 6 OF 9 USPATFULL

AB Color photographic material containing a fast-acting hardener, which acts by activating carboxyl groups, wherein said material contains a 2-pyrazolin-5-one coupler precursor corresponding to one of the following general formulae I or II: ##STR1## wherein EACH OF R.sup.1, R and Y are substituents of the type used in 2-pyrazolin-5-one color couplers, and

Z represents acyl, alkoxycarbonyl, aryloxycarbonyl,

Or ##STR2## in which R.sup.1, R, and Y have the above-defined significance, and A represents an alkylene group or an arylene group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 78:61278 USPATFULL

TI Photographic silver halide color material containing fast-acting hardener and 2-pyrazolin-5-one coupler precursors

IN Monbaliu, Marcel J., Mortsel, Belgium
Credner, Hans-Heinrich, Munich, Germany, Federal Republic of
Himmelmann, Wolfgang, Opladen-Lutzenkirchen, Germany, Federal Republic of
Meier, Ernst, Munich, Germany, Federal Republic of
Benoy, Gaston J., Edegem, Belgium
Van Poucke, Raphael K., Berchem, Belgium
Schranz, Karl-Wilhelm, Odenthal-Hahnenberg, Germany, Federal Republic of
Van Veelen, George F., Mortsel, Belgium

PA Agfa-Gevaert N.V., Mortsel, Belgium (non-U.S. corporation)

PI US 4123281 19781031

AI US 1976-715105 19760817 (5)

PRAI DE 1975-2539729 19750906

DT Utility

FS Granted

EXNAM Primary Examiner: Brown, J. Travis

LREP Breiner, A. W.

CLMN Number of Claims: 8

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1162

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

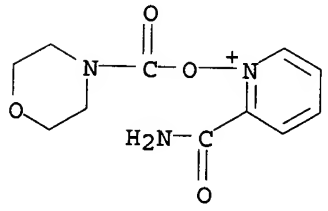
IT **57845-69-9**
(hardening agent, for color photog. gelatin emulsion layers contg. pyrazolinone magenta color couplers)

RN 57845-69-9 USPATFULL

CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

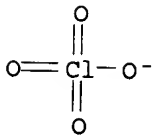
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4



CM 2

CRN 14797-73-0
CMF Cl O4



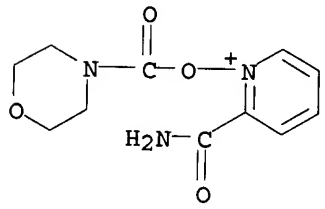
L4 ANSWER 7 OF 9 USPATFULL
AB In a process for hardening gelatine containing photographic layers, in particular multilayered photographic films, using conventional hardeners and quick acting hardeners, the surface of a layer which contains gelatine and complex forming organic or inorganic salts is exposed to the action of an aqueous solution containing a wetting agent and a quick acting hardener, the quantity of water applied with the solution being calculated so that the layer or multilayered film undergoes swelling to a certain extend, and the degree of swelling is maintained for a period from 10 to 200 seconds, whereupon the layer or multilayered film is dried at a temperature below 30.degree. C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 78:57192 USPATFULL
TI Process for hardening photographic layers containing gelatine
IN Sauerteig, Wolfgang, Leverkusen, Germany, Before 1945
Himmelmann, Wolfgang, Leverkusen, Germany, Before 1945
Meyer, Rudolf, Leverkusen, Germany, Before 1945
Ranz, Erwin, Leverkusen, Germany, Before 1945
Pelz, Willibald, Cologne, Germany, Before 1945
PA AGFA-Gevaert Aktiengesellschaft, Leverkusen, Germany, Before 1945 (non-U.S. corporation)
PI US 4119464 19781010
AI US 1977-802001 19770531 (5)
PRAI DE 1976-2625026 19760603
DT Utility
FS Granted
EXNAM Primary Examiner: Louie, Jr., Won H.
LREP Connolly and Hutz
CLMN Number of Claims: 12

ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1062
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **57845-69-9P**
(prepn. of)
RN 57845-69-9 USPATFULL
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

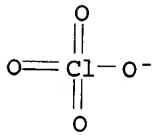
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4



CM 2

CRN 14797-73-0
CMF Cl O4



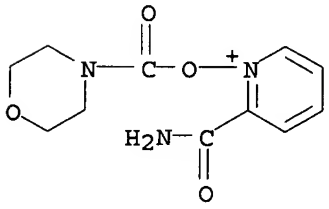
L4 ANSWER 8 OF 9 USPATFULL
AB As quick-acting hardeners for layers which contain protein, in particular gelatin layers for photographic purposes carbamoyl oxypyridinium salts are used.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 77:57211 USPATFULL
TI Process of hardening a silver halide photographic material with a 1-carbamoyloxypyridinium salt
IN Bergthaller, Peter, Cologne, Germany, Federal Republic of
Himmelmann, Wolfgang, Leverkusen, Germany, Federal Republic of
Sauerteig, Wolfgang, Leverkusen, Germany, Federal Republic of
Rosenhahn, Lothar, Cologne, Germany, Federal Republic of
PA Agfa-Gevaert Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)
PI US 4055427 19771025
AI US 1977-768902 19770215 (5)
RLI Continuation of Ser. No. US 1975-551069, filed on 19 Feb 1975, now abandoned

PRAI DE 1974-2408814 19740223
DT Utility
FS Granted
EXNAM Primary Examiner: Louie, Jr., Won H.
LREP Connolly and Hutz
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 908
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **57845-69-9P**
(prepn. of)
RN 57845-69-9 USPATFULL
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

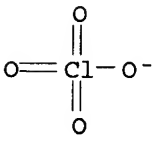
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4



CM 2

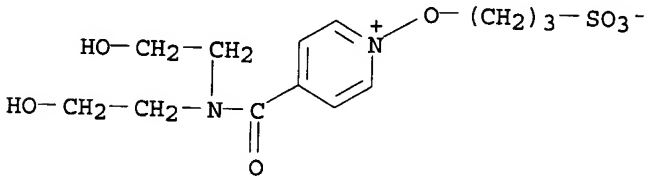
CRN 14797-73-0
CMF Cl O4



L4 ANSWER 9 OF 9 USPAT2
AB A method for reducing dye stain of an exposed photographic element, said element comprising a support having thereon at least one image-forming layer containing a photobleachable dye, the method comprising processing the element, and exposing the processed element, in presence of a N-oxyazinium, to radiation that can be absorbed either by the photobleachable dye or by the N-oxyazinium.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2001:205550 USPAT2
TI Method for reducing the dye stain in photographic elements
IN Farid, Samir Y., Rochester, NY, United States
Goswami, Ramanuj, Webster, NY, United States

Craver, Mary E., Rochester, NY, United States
Mangus, John M., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 6436624 B2 20020820
AI US 2000-729330 20001204 (9)
RLI Division of Ser. No. US 2000-510012, filed on 22 Feb 2000
DT Utility
FS GRANTED
EXNAM Primary Examiner: Le, Hoa Van
LREP Rice, Edith A.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 766
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **330601-79-1**
(N-oxyazinium compds. for photobleaching sensitizing dye in photog. elements)
RN 330601-79-1 USPAT2
CN Pyridinium, 4-[[bis(2-hydroxyethyl)amino]carbonyl]-1-(3-sulfopropoxy)-, inner salt (9CI) (CA INDEX NAME)



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	SINCE FILE ENTRY	TOTAL SESSION
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=> s l3
L5 18 L3

=> d abs bib hitstr 1-18

L5 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2002 ACS

AB The compn. comprises a photobleachable dye and N-oxyazinium, substantially free from a polymerizable monomer. The element has .gtoreq.1 image forming layer and .gtoreq.1 non-image forming layer, contg. the obtained compn. The method involves processes of exposing, processing, and then exposing the element to radiation absorbed by the light bleaching dye or N-oxyazinium. The compn. removed limitations from the processes for image formation.

AN 2001:654936 CAPLUS

DN 135:233817

TI Photobleachable dye composition, image forming element, and bleaching method

IN Goswami, Ramanuj; Farid, Samir Yacoub; Perry, Robert J.; Zielinski, Paul A.; Gould, Ian Robert; Williams, Kevin W.

PA Eastman Kodak Co., USA

SO Jpn. Kokai Tokkyo Koho, 50 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

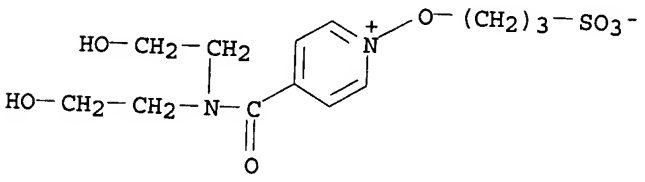
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001242584	A2	20010907	JP 2001-46176	20010222
	US 6376163	B1	20020423	US 2000-510002	20000222
	EP 1134613	A1	20010919	EP 2001-200472	20010212
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	US 2000-510002	A	20000222		

IT **330601-79-1**
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(photobleachable compn. contg. dye and oxyazinium compd.)

RN 330601-79-1 CAPLUS

CN Pyridinium, 4-[[bis(2-hydroxyethyl)amino]carbonyl]-1-(3-sulfopropoxy)-, inner salt (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2002 ACS

AB This patent disclosed a method for reducing dye stain of an exposed photog. element, said element comprising a support having thereon at least one image-forming layer contg. a photobleachable dye, the method comprising processing the element, and exposing the processed element, in presence of a N-oxyazinium, to radiation that can be absorbed either by the photobleachable dye or by the N-oxyazinium.

AN 2001:221913 CAPLUS

DN 134:245176

TI Method for reducing the dye stain in photographic elements

IN Farid, Samir Y.; Goswami, Ramanuj; Craver, Mary E.; Mangus, John M.

PA Eastman Kodak Company, USA

SO U.S., 14 pp.
CODEN: USXXAM

DT Patent

LA English

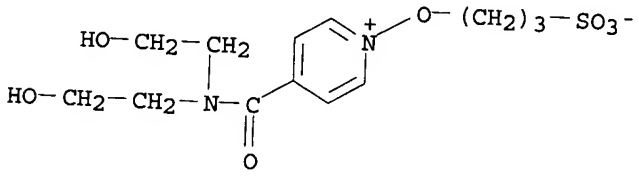
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6207359	B1	20010327	US 2000-510012	20000222
	US 2001041314	A1	20011115	US 2000-729330	20001204
	US 6436624	B2	20020820		
	EP 1128209	A1	20010829	EP 2001-200478	20010212
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001242588	A2	20010907	JP 2001-41598	20010219
PRAI	US 2000-510012	A3	20000222		

IT **330601-79-1**
RL: TEM (Technical or engineered material use); USES (Uses)
(N-oxyazinium compds. for photobleaching sensitizing dye in photog. elements)

RN 330601-79-1 CAPLUS

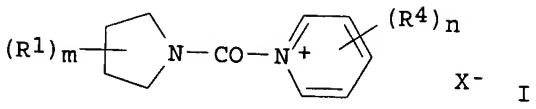
CN Pyridinium, 4-[[bis(2-hydroxyethyl)amino]carbonyl]-1-(3-sulfopropoxy)-, inner salt (9CI) (CA INDEX NAME)



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2002 ACS

GI



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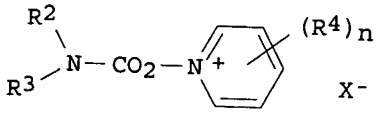
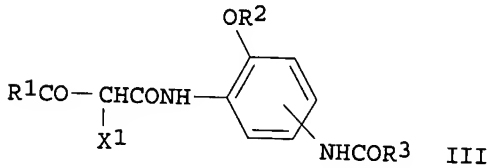
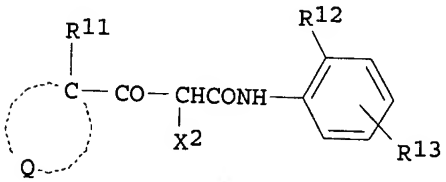


II



III



IV

AB The photog. material is characterized (1) that photog. layers are hardened with a pyridinium deriv. I or II (R1-4 = H, substituent; R2 and R3 may form a N-contg. heterocycle; m = 0-8; n = 0-5; X = anion) and (2) that the photog. emulsion layer contains a yellow coupler III (R1 = alkyl, cycloalkyl; R2 = alkyl, cycloalkyl, aryl; R3 = substituent; X1 = leaving group by coupling with oxidant of color developer), IV (R11 = substituent; Q = at. group to form a 3- to 5-membered hydrocarbon ring or heterocycle; R12 = H, halo, alkyl, alkoxy, aryloxy, amino; R13 = substituent; X2 = leaving group by coupling with oxidant of color developer), and/or R21R22NCOCHX3CONHR23 (R21, R22 = alkyl, aryl, heterocycle; R3 = aryl, heterocycle; X3 = leaving group by coupling with oxidant of color developer). Preferably, the material also contains pyrazolotriazole-type magenta coupler(s) and/or a 2-acylaminophenol-type cyan coupler. The material shows rapid developability and is resistant to applied pressure which causes yellow stain.

AN 1999:182691 CAPLUS

DN 130:259488

TI Silver halide photographic material hardened with pyridinium compd. to reduce pressure sensitivity and yellow stain

IN Nakamura, Takeshi; Yamazaki, Chikamasa

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 69 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11072864	A2	19990316	JP 1997-232701	19970828

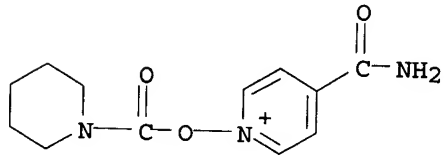
IT **221387-28-6**
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(hardening agent; silver halide color photog. material hardened with

pyridinium compd. to reduce pressure sensitivity and yellow stain)

RN 221387-28-6 CAPLUS
CN Pyridinium, 4-(aminocarbonyl)-1-[(1-piperidinylcarbonyl)oxy]-, chlorate (9CI) (CA INDEX NAME)

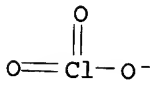
CM 1

CRN 221387-27-5
CMF C12 H16 N3 O3

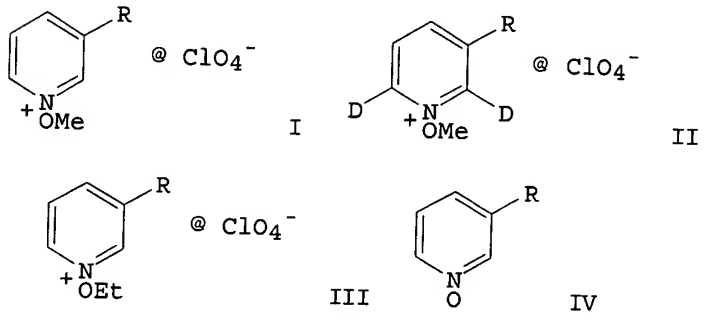


CM 2

CRN 14866-68-3
CMF Cl O3



L5 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI

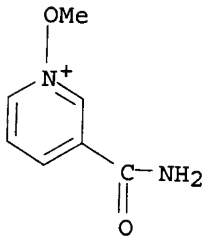


AB EI and FD mass spectra of I, II, III and IV (R = Me, Br, COMe, CO2H, CONH2, etc.) were detd. The major thermal process is the formation of pyridine N-oxides. In some cases the most important pyrolytic process is intermol. isomerization.
AN 1984:208925 CAPLUS
DN 100:208925
TI Mass spectra and pyrolytic fragmentation paths for N-methoxy-3-R-pyridinium perchlorates
AU Nowak-Wydra, Barbara; Szafran, Miroslaw

CS Inst. Chem., A. Mickiewicz Univ., Poznan, 60780, Pol.
SO Pol. J. Chem. (1983), Volume Date 1982, 56(7-8-9), 941-50
CODEN: PJCHDQ
DT Journal
LA English
IT **54212-30-5 76856-87-6 76856-99-0**
76857-01-7 90136-65-5 90136-67-7
RL: PRP (Properties)
(mass spectrum of)
RN 54212-30-5 CAPLUS
CN Pyridinium, 3-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

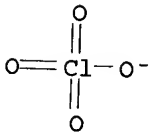
CM 1

CRN 54212-29-2
CMF C7 H9 N2 O2



CM 2

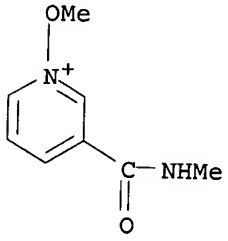
CRN 14797-73-0
CMF Cl O4



RN 76856-87-6 CAPLUS
CN Pyridinium, 1-methoxy-3-[(methylamino)carbonyl]-, perchlorate (9CI) (CA INDEX NAME)

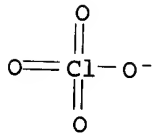
CM 1

CRN 76856-86-5
CMF C8 H11 N2 O2



CM 2

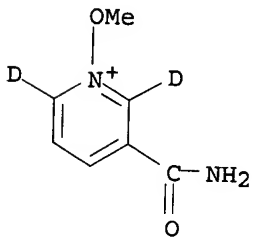
CRN 14797-73-0
CMF Cl O4



RN 76856-99-0 CAPLUS
CN Pyridinium-2,6-d2, 3-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

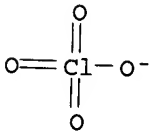
CM 1

CRN 76856-98-9
CMF C7 H7 D2 N2 O2



CM 2

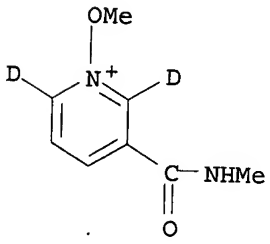
CRN 14797-73-0
CMF Cl O4



RN 76857-01-7 CAPLUS
CN Pyridinium-2,6-d2, 1-methoxy-3-[(methylamino)carbonyl]-, perchlorate (9CI) (CA INDEX NAME)

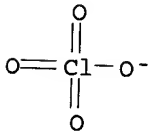
CM 1

CRN 76857-00-6
CMF C8 H9 D2 N2 O2



CM 2

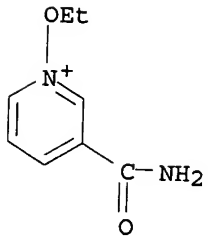
CRN 14797-73-0
CMF Cl O4



RN 90136-65-5 CAPLUS
CN Pyridinium, 3-(aminocarbonyl)-1-ethoxy-, perchlorate (9CI) (CA INDEX NAME)

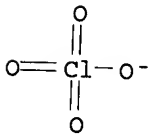
CM 1

CRN 90136-64-4
CMF C8 H11 N2 O2



CM 2

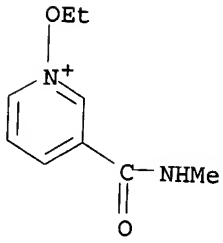
CRN 14797-73-0
CMF Cl O4



RN 90136-67-7 CAPLUS
CN Pyridinium, 1-ethoxy-3-[(methylamino)carbonyl]-, perchlorate (9CI) (CA INDEX NAME)

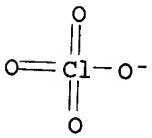
CM 1

CRN 90136-66-6
CMF C9 H13 N2 O2



CM 2

CRN 14797-73-0
CMF Cl O4

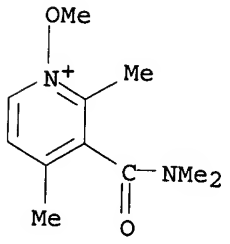


L5 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2002 ACS
AB Two methods for resoln. of 2,4-dimethyl-3-dimethylcarbamoylpyridine (I) were given. Enantiomerically pure I racemized faster in apolar solvents than polar, with Ea = 26.9 and 19.5 kcal/mol for H2O and hexane, resp.
AN 1983:539711 CAPLUS
DN 99:139711
TI A new chiral base derived from nicotinamide. Preparation and chiral stability of N,N-dimethyl-2,4-dimethyl-3-carbamoylpyridine in various solvents
AU Van Lier, P. M.; Meulendijks, G. H. W. M.; Buck, H. M.
CS Dep. Org. Chem., Eindhoven Univ. Technol., Eindhoven, Neth.
SO Recl.: J. R. Neth. Chem. Soc. (1983), 102(6), 337-8

CODEN: RJRSDK
DT Journal
LA English
IT **87248-79-1P 87248-80-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and demethoxylation of)
RN 87248-79-1 CAPLUS
CN Pyridinium, 3-[(dimethylamino)carbonyl]-1-methoxy-2,4-dimethyl-, (+)-, salt with [1R-(endo,anti)]-3-bromo-1,7-dimethyl-2-oxobicyclo[2.2.1]heptane-7-methanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

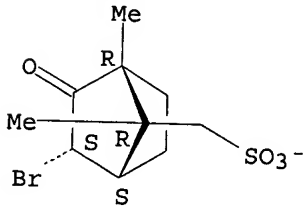
CRN 87221-84-9
CMF C11 H17 N2 O2
CDES 3:(+)



CM 2

CRN 46472-06-4
CMF C10 H14 Br O4 S
CDES *

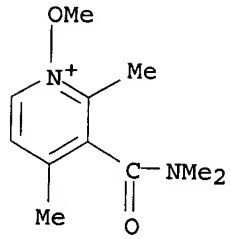
Absolute stereochemistry.



RN 87248-80-4 CAPLUS
CN Pyridinium, 3-[(dimethylamino)carbonyl]-1-methoxy-2,4-dimethyl-, (-)-, salt with [1S-(endo,anti)]-3-bromo-1,7-dimethyl-2-oxobicyclo[2.2.1]heptane-7-methanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

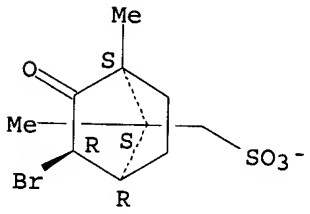
CRN 87221-85-0
CMF C11 H17 N2 O2
CDES 3:(-)



CM 2

CRN 46471-89-0
CMF C10 H14 Br O4 S
CDES *

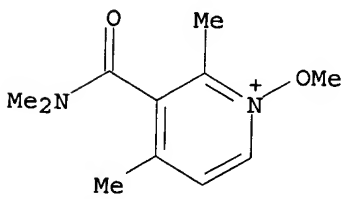
Absolute stereochemistry.



IT **87248-78-0P 87248-81-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and resoln. of)
RN 87248-78-0 CAPLUS
CN Pyridinium, 3-[(dimethylamino)carbonyl]-1-methoxy-2,4-dimethyl-, salt with [1R-(endo,anti)]-3-bromo-1,7-dimethyl-2-oxobicyclo[2.2.1]heptane-7-methanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 87221-82-7
CMF C11 H17 N2 O2

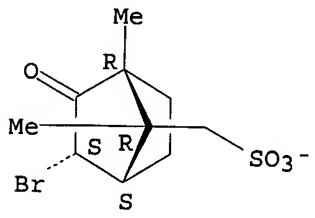


CM 2

CRN 46472-06-4
CMF C10 H14 Br O4 S

CDES *

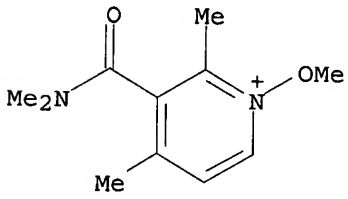
Absolute stereochemistry.



RN 87248-81-5 CAPLUS
CN Pyridinium, 3-[(dimethylamino)carbonyl]-1-methoxy-2,4-dimethyl-, salt with [1S-(endo,anti)]-3-bromo-1,7-dimethyl-2-oxobicyclo[2.2.1]heptane-7-methanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

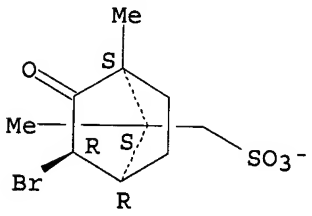
CRN 87221-82-7
CMF C11 H17 N2 O2



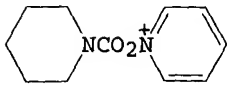
CM 2

CRN 46471-89-0
CMF C10 H14 Br O4 S
CDES *

Absolute stereochemistry.



L5 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI



Cl^- II

AB The fogging of color photog. materials on long-term storage because of the effects of aldehydes can be eliminated without adversely affecting their contrast and sensitivity by the addn. of a dione compd. as an aldehyde scavenger. The dione compd. is used in conjunction with a hardening agent selected from carbamoylonium, carbomoylpyridinium, and carbamoylpyridinium salts. Thus, a cellulose triacetate support coated with an antihalation layer, a subbing layer, a red-sensitive emulsion layer contg. a cyan coupler mixt., a DIR coupler, and a red masking coupler, a red-sensitive emulsion layer contg. a cyan coupler mixt., a gelatin interlayer, a green-sensitive emulsion layer contg. a coupler mixt., a DIR coupler, and a yellow masking coupler, a green-sensitive emulsion layer contg. a coupler mixt., a gelatin interlayer, a Cary Lea Ag filter layer, a blue-sensitive emulsion layer contg. a yellow coupler, a blue-sensitive emulsion layer contg. a yellow coupler, and a toplayer contg. 2,4,6-trioxohexahydropyrimidine (I) 550 mg/m2 and II as hardener. Storage of the material in a HCHO atm. for 7 days showed the residual magenta color d. to 98% vs. 65% for a I-free control.

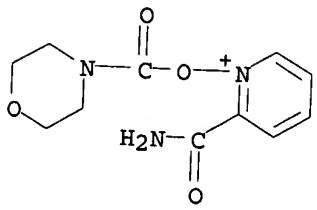
AN 1982:482676 CAPLUS
DN 97:82676
TI Photosensitive photographic recording material based on silver halide
IN Langen, Hans; Wolff, Erich; Ranz, Erwin
PA Agfa-Gevaert A.-G. , Fed. Rep. Ger.
SO Eur. Pat. Appl., 54 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 49449	A1	19820414	EP 1981-107680	19810928
	EP 49449	B1	19830928		
	R: BE, CH, DE, FR, GB, IT				
	DE 3037912	A1	19820527	DE 1980-3037912	19801008
	US 4418142	A	19831129	US 1981-307858	19811002
	CA 1164709	A1	19840403	CA 1981-387334	19811006
	JP 57100423	A2	19820622	JP 1981-159563	19811008
	JP 02026211	B4	19900608		
PRAI	DE 1980-3037912		19801008		

IT **57845-69-9**
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. hardening agent, color photog. films contg. aldehyde scavenger and, for improved storage stability)
RN 57845-69-9 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

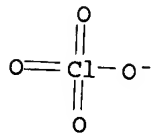
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4

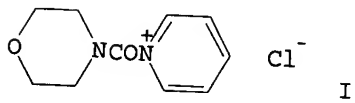


CM 2

CRN 14797-73-0
CMF Cl O4



L5 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI



I

AB Gelatin for use in prepg. of layers in photog. materials can be chain lengthened by treatment with an instant-acting hardening agent that activates the carboxyl groups of the gelatin in the presence of a surfactant. The resulting chain-lengthened gelatin has an increased gel rate and viscosity and layers prepd. by using this gelatin have decreased coating defects and sedimentation phenomena and decreased lateral swelling. Gelatin solns. (.gtoreq.5 wt.%) are contacted from 0.01 s to 10 min at 30-90.degree. with 0.001-0.01 mol hardener/100 g dry gelatin or a 20 .mu. gelatin layer is treated with an aq. soln. of the hardener (0.01-0.03 mol hardener/100 g dry gelatin) at 20.degree. for 3-6 min to give the desired results. Thus, a 25% aq. soln. of an alkali-processed gelatin at 50.degree. was treated with 3 mmol I/100 g gelatin in the presence of 4% Na dodecyl sulfate. The resulting chain-lengthened gelatin was then used to prep. a photog. material which based on the advantages of the increased gel rate and higher viscosity of the chain-lengthened gelatin was superior to conventional photog. materials.

AN 1981:415908 CAPLUS
DN 95:15908
TI Chain lengthening of gelatin by partial hardening
IN Jung, Heinrich; Biskup, Ulrich
PA Agfa-Gevaert A.-G., Fed. Rep. Ger.
SO Ger. Offen., 77 pp.
CODEN: GWXXBX
DT Patent

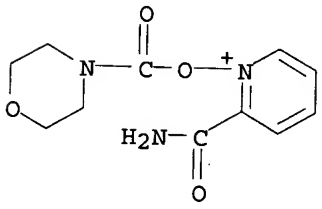
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2924035	A1	19810108	DE 1979-2924035	19790613
	EP 21108	A1	19810107	EP 1980-103012	19800530
	EP 21108	B1	19830209		
	R: BE, CH, DE, FR, GB				
	JP 56002324	A2	19810112	JP 1980-77883	19800611
	CA 1155440	A1	19831018	CA 1980-353786	19800611
	US 4421847	A	19831220	US 1981-329731	19811211
PRAI	DE 1979-2924035		19790613		
	US 1980-157464		19800609		

IT **57845-69-9**
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. hardening agent)
RN 57845-69-9 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

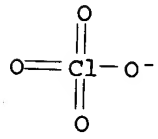
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4

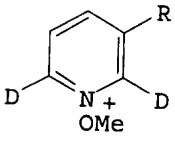


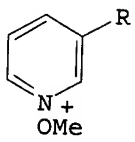
CM 2

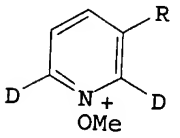
CRN 14797-73-0
CMF Cl O4



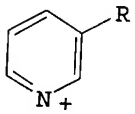
L5 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI


ClO_4^- I


ClO_4^- II



ClO_4^- I



ClO_4^- II

AB The deuterated pyridines I (R = NO2, CN, CO2H, CONH2, CONHMe, Ac, Br, Me) were prepd. from the corresponding methoxypyridinium perchlorates II. Thus, II in D2O contg. 5% Me3COH were treated with NaOD (4M) until the NMR resonance signal for protons at C-2 and C-6 was gone. Subsequent acidification with 72% HClO4 gave I.

AN 1981:121257 CAPLUS

DN 94:121257

TI A convenient preparation of N-methoxy-3-R-pyridine-d2,6 perchlorates

AU Nowak-Wydra, Barbara; Szafran, Miroslaw

CS Inst. Chem., A. Mickiewicz Univ., Poznan, 60780, Pol.

SO Pol. J. Chem. (1980), 54(5), 1105-8
CODEN: PJCHDQ

DT Journal

LA English

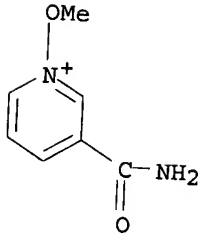
IT **54212-30-5P 76856-87-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and deuteration of)

RN 54212-30-5 CAPLUS

CN Pyridinium, 3-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

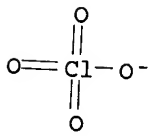
CM 1

CRN 54212-29-2
CMF C7 H9 N2 O2



CM 2

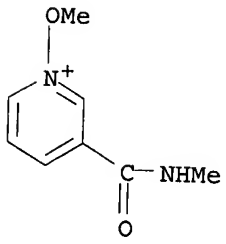
CRN 14797-73-0
CMF Cl O4



RN 76856-87-6 CAPLUS
CN Pyridinium, 1-methoxy-3-[(methylamino)carbonyl]-, perchlorate (9CI) (CA INDEX NAME)

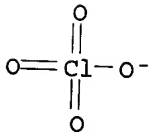
CM 1

CRN 76856-86-5
CMF C8 H11 N2 O2



CM 2

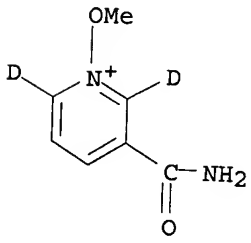
CRN 14797-73-0
CMF Cl O4



IT **76856-99-0P 76857-01-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 76856-99-0 CAPLUS
CN Pyridinium-2,6-d2, 3-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

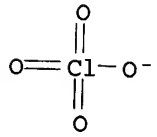
CM 1

CRN 76856-98-9
CMF C7 H7 D2 N2 O2



CM 2

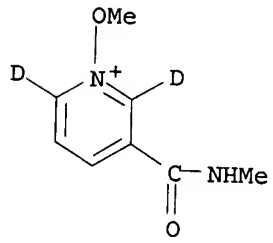
CRN 14797-73-0
CMF Cl O4



RN 76857-01-7 CAPLUS
CN Pyridinium-2,6-d2, 1-methoxy-3-[(methylamino)carbonyl]-, perchlorate (9CI) (CA INDEX NAME)

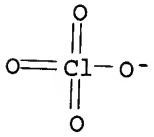
CM 1

CRN 76857-00-6
CMF C8 H9 D2 N2 O2



CM 2

CRN 14797-73-0
CMF Cl O4



L5 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002 ACS
AB Carbamoylonium compds., carbamoylpyridinium compds., carbamoyloxypyridinium compds., carbodiimides, sulfobetaine carbodiimides, dihydroquinolines, isoxazolium salts, and bisisoxazoles and their quaternary salts are described for use as fast-working hardening agents for use in photog. emulsions. Thus, a cellulose triacetate support carrying a prehardened (0.5 wt.% Cr acetate) gelatin-Ag halide layer contg. 20 wt.% of a water-insol. color component in emulsified form was wet-coated with an aq. soln. of EtN:C:N(CH2)3N+HMe2Cl- (I) contg. 1%

C8H17O2CCH2CH(CO2C8H17)SO3Na at 40 .mu. (2.5% I), dried for 30 s to 3 min, and stored for 24 h at room temp. After exposure and color development, the swell factor and scratch resistance were detd. to be 4.2 and 700 p, resp.

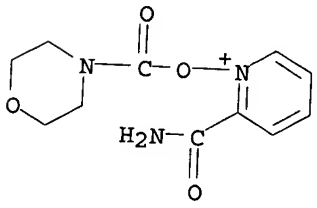
AN 1978:129015 CAPLUS
DN 88:129015
TI Hardening photographic gelatine-containing layers
IN Sauerteig, Wolfgang; Himmelmann, Wolfgang; Meyer, Rudolf; Ranz, Erwin; Pelz, Willibald
PA Agfa-Gevaert A.-G., Ger.
SO Ger. Offen., 75 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2625026	A1	19771222	DE 1976-2625026	19760603
	BE 855179	A2	19771128	BE 1977-8161	19770527
	US 4119464	A	19781010	US 1977-802001	19770531
	GB 1579547	A	19801119	GB 1977-23420	19770602
	CH 627560	A	19820115	CH 1977-6791	19770602
	CA 1122464	A1	19820427	CA 1977-279675	19770602
	JP 52149114	A2	19771212	JP 1977-64931	19770603
	FR 2353881	A1	19771230	FR 1977-17070	19770603
PRAI	DE 1976-2625026		19760603		

IT **57845-69-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57845-69-9 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

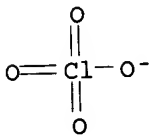
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4

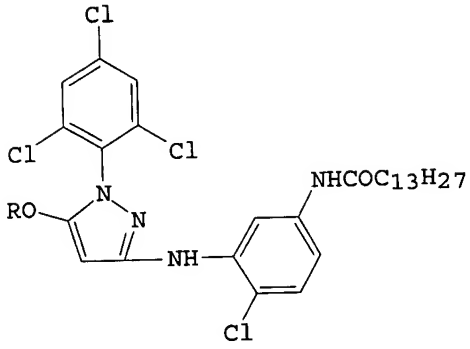


CM 2

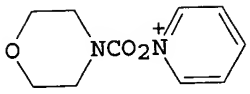
CRN 14797-73-0
CMF Cl O4



L5 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI



I



III

AB The inhibitory effect of rapid-hardening agents for gelatin on development of the magenta layer in color film can be reduced by using 2-pyrazolin-5-one couplers which have been acylated in the 2- or 5-position and which are deacylated by alk. developer media. Thus, a Ag(Br,I) emulsion contg. coupler I (R = PhOCO)(II) was coated on an acetate film support treated with hardener III, dried, exposed, and developed to give a magenta image with relative sensitivity 98, .gamma. 1.21, and Dmax 2.07 vs. 100, 1.20, and 1.85, resp., for a II-free control contg. I (R = H).

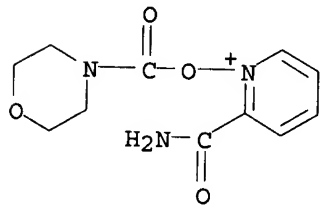
AN 1977:493507 CAPLUS
DN 87:93507
TI Color photographic material
IN Monbaliu, Marcel Jacob; Credner, Hans Heinrich; Himmelmann, Wolfgang; Meier, Ernst; Benoy, Gaston Jacob; Van Poucke, Raphael Karel; Schranz, Karl Wilhelm; Van Veelen, George Frans
PA Agfa-Gevaert A.-G., Ger.
SO Ger. Offen., 61 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2539729	A1	19770317	DE 1975-2539729	19750906
	FR 2323173	A1	19770401	FR 1976-1319	19760119
	FR 2323173	B1	19790622		
	US 4123281	A	19781031	US 1976-715105	19760817
	JP 52038936	A2	19770325	JP 1976-104813	19760901
	GB 1561335	A	19800220	GB 1976-36202	19760901
	BE 845770	A2	19770302	BE 1976-1007603	19760902
PRAI	DE 1975-2539729		19750906		

IT **57845-69-9**
RL: USES (Uses)
(hardening agent, for color photog. gelatin emulsion layers contg. pyrazolinone magenta color couplers)
RN 57845-69-9 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

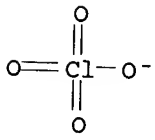
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4

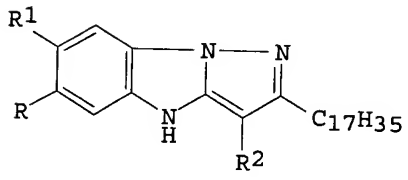


CM 2

CRN 14797-73-0
CMF Cl O4



L5 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI



I

AB The d. loss in the magenta image resulting when color photog. materials are processed at high temp. is eliminated by using a pyrazolobenzimidazole coupler I (R = H, SO3H; R1 = MeO, EtO, Cl, F, Br, SO3H; R2 = H, Cl, SO3H) and by bathing the materials in a hardening soln. contg. a carbamoylpyridinium or a carbamoyloxypyridinium salt. Some 41 carbamoylpyridinium salts and some 59 carbamoyloxypyridinium salts are described. Thus, a cellulose triacetate support coated with an adhesion-improving layer was coated with a green-sensitive

gelatin-Ag(Br,I) emulsion contg. I (R, R2 = H; R1 = Br) and then a 1.mu. thick gelatin protective layer. The dried material was then bathed in a 1% aq. N-morpholinocarbonylpyridinium chloride soln. contg. saponin 2g/L, dried, sensitometrically exposed, developed, and processed to give a Dmax of 2.10 at a processing temp. of 20.degree. and a Dmax of 2.05 at a processing temp. of 40.degree. vs. 2.20 and 2.10, resp., for a control using a hardening bath contg. Cr(OAc)3.

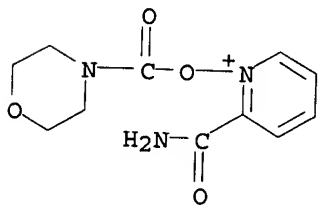
AN 1977:476356 CAPLUS
DN 87:76356
TI Color photographic silver halide emulsion layers usable at higher temperatures
IN Boeckly, Erich; Himmelmann, Wolfgang; Meier, Ernst; Sauerteig, Wolfgang; Boie, Immo; Bergthaller, Peter
PA Agfa-Gevaert A.-G., Ger.
SO Ger. Offen., 43 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2517408	A1	19761104	DE 1975-2517408	19750419
	BE 840414	A2	19761006	BE 1976-1007309	19760406
	GB 1535809	A	19781213	GB 1976-15545	19760415
	CH 616761	A	19800415	CH 1976-4884	19760415
	FR 2308129	A1	19761112	FR 1976-11468	19760416
	FR 2308129	B1	19800509		
PRAI	DE 1975-2517408		19750419		

IT **57845-69-9**
RL: TEM (Technical or engineered material use); USES (Uses) (photog. hardening agent, for color materials processible at high temp.)
RN 57845-69-9 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

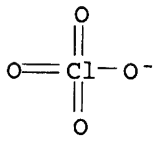
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4

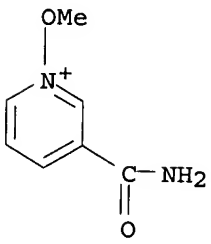


CM 2

CRN 14797-73-0
CMF Cl O4



L5 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2002 ACS
AB Addnl. data considered in abstracting and indexing are available from a source cited in the original document. 1,3-Disubstituted pyridinium ions react completely at about -40.degree. with NH3 to give covalent amination products. Addn. occurs at C-6 when the C-3 group is CONH2, CO2Me, CF3, or COMe. Addn. at C-2 results when the 3-substituent is Cl or I, and a mixt. is found for the 3-CN compd. Parent 1-methyl- and 1-benzylpyridinium ions do not yield 2-adducts unless powd. KOH is added to neutralize ammonium ion. 1-Methoxypyridinium ions at -50.degree. give 2-adducts which open to 5-amino-2-(cis),4(trans)-pentadienal oxime O-Me ether. 1-Methyl-3-substituted pyrazinium ions react at the 2-position when the substituent is Cl or MeO and at the 6-position in the CONH2 case. 1-Methylpyrazinium ion first forms a 2-adduct and then a 2,3-diadduct.
AN 1976:164573 CAPLUS
DN 84:164573
TI Covalent amination. Substituent effects on the site of addition of ammonia to quaternized pyridines and pyrazines
AU Zoltewicz, John A.; Helmick, Larry S.; O'Halloran, John K.
CS Dep. Chem., Univ. Florida, Gainesville, Fla., USA
SO J. Org. Chem. (1976), 41(8), 1303-8
CODEN: JOCEAH
DT Journal
LA English
IT **54212-29-2**
RL: RCT (Reactant)
(reaction with ammonia)
RN 54212-29-2 CAPLUS
CN Pyridinium, 3-(aminocarbonyl)-1-methoxy- (9CI) (CA INDEX NAME)



L5 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB A process for hardening gelatin-contg. photog. emulsions with fast-working hardening agents, such as carbamoylpyridinium compds., carbamoyloxypyridinium compds., carbodiimides, or dihydroquinoline derivs., involves coating the emulsions with a soln. of the hardening agent in a polysaccharide which does not react with the hardening agent and which itself has excellent film-forming characteristics. Thus, a soln. contg. I 1 mole % in 2% Kelco SCS MV (cellulose sulfate soln.) was

coated on a dry 5 .mu. thick emulsion layer that contained gelatin 80, AgBr 35, and N-heptadecyl-1-hydroxy-4-sulfo-2-naphthamide 24 g, dried, and the swell factor and the wet strength values were detd. for the emulsion directly after drying and after storage for 36 hr at 57.degree. and 34% relative humidity. The swell factor was 3.0 and the wet strength was 1200 p for the fresh emulsion layer and 3.1 and 1200 p resp., for the stored layer vs. 3.8 and 1000, resp., and 3.9 and 1000, resp., for a control using gelatin as the coating agent.

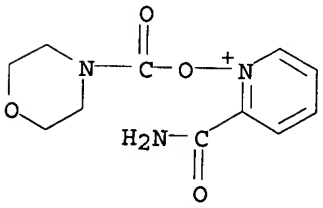
AN 1976:67815 CAPLUS
DN 84:67815
TI Hardening photographic layers
IN Nittel, Fritz; Czernik, Karl; Sauerteig, Wolfgang; Himmelmann, Wolfgang; Bergthaller, Peter
PA Agfa-Gevaert A.-G., Ger.
SO Ger. Offen., 56 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2417779	A1	19751030	DE 1974-2417779	19740411
	BE 827654	A2	19751007	BE 1975-1006576	19750407
	CA 1062070	A1	19790911	CA 1975-224185	19750409
	FR 2267569	A1	19751107	FR 1975-11449	19750411
	FR 2267569	B1	19810925		
	JP 50142019	A2	19751115	JP 1975-43449	19750411
	JP 57046539	B4	19821004		
	CH 616514	A	19800331	CH 1975-4679	19750411
	US 4233398	A	19801111	US 1978-881027	19780224
PRAI	DE 1974-2417779		19740411		
	US 1975-565416		19750407		

IT **57845-69-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57845-69-9 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

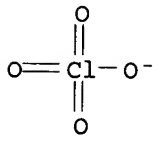
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4



CM 2

CRN 14797-73-0
CMF Cl O4



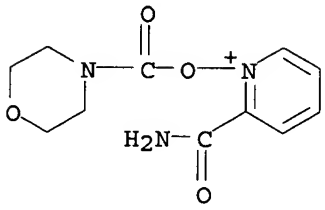
L5 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Carbamoyloxypyridinium salts (I; R = Me, Et, iso-Pr, Ph, or together with R1 forms a heterocycle; R1 = Me, Et, iso-Pr, Ph, Et2NCO, MeOCO, or together with R forms a heterocycle; R2 = H, Cl, Br, Me, Et, C1-3 alkoxy, CN, CONH2, MeOCONH, or EtOCONH; R3 = H, Me, Et; R4 = H, Me; X = Cl-, BF4-, ClO4-) are described for use as photog. hardening agents. These compds. give rapid hardening, exhibit no afterhardening, and do not affect the photog. properties of the emulsion. Thus, a cellulose acetate support carrying a 10 .mu. thick cyan coupler-contg. gelatin layer was immersed in a 5% soln. of I (R, R1 = Me; R2, R3, R4 = H; X- = Cl-) for 10 sec, dried in warm air, and the m.p. detd. to be >100.degree. vs. 35.degree. for a control immersed for 3 min in a 2.5% aq. soln. of mucochloric acid.
AN 1976:67803 CAPLUS
DN 84:67803
TI Hardening photographic layers
IN Bergthaller, Peter; Himmelmann, Wolfgang; Sauerteig, Wolfgang; Rosenhahn, Lothar
PA Agfa-Gevaert A.-G., Ger.
SO Ger. Offen., 37 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2408814	A1	19750904	DE 1974-2408814	19740223
	DE 2408814	C2	19820722		
	BE 825726	A2	19750820	BE 1975-1006470	19750220
	FR 2262327	A1	19750919	FR 1975-5531	19750221
	GB 1499123	A	19780125	GB 1975-7328	19750221
	CH 596577	A	19780315	CH 1975-2201	19750221
	CA 1057554	A1	19790703	CA 1975-220554	19750221
	JP 50120616	A2	19750922	JP 1975-21468	19750222
	US 4055427	A	19771025	US 1977-768902	19770215
PRAI	DE 1974-2408814		19740223		
	US 1975-551069		19750219		

IT **57845-69-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57845-69-9 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

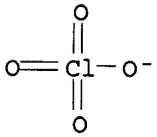
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4



CM 2

CRN 14797-73-0
CMF Cl O4



L5 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Pyridinium salts I (NRR1 = NMe2, NEt2, pyrrolidino, morpholino, N(CHMe2)2, piperidino, hexamethylenimino, indolino, MeNHCONMe, Me2NCONEt, Me2NCONPr, Et2NCONPr, Et2NCONEt, MeO2CNPh, 2-oxo-1-imidazolidinyl; R2 = H, 3-Me, 4-Me, 4-Cl, 4-OEt, 2-OEt, 3-NHCO2Et, 2-Me, 4-Et, 4-OMe, 4-OCHMe2, 3-CN, 3-NHac, 2-CONH2, R3 = R4 = H; R2 = 2-Me, R3 = 5-Et, R4 = H; R2 = 2-Me, R3 = 4-Me, R4 = 6-Me; X = Cl, ClO4, BF4) were prepd. by treating the pyridine N-oxides with RR1NCOCl and optionally exchanging the anion. I are acylating agents and crosslink gelatins and other proteins.
AN 1976:43859 CAPLUS
DN 84:43859
TI N-Carbamoyloxypyridinium salts
IN Bergthaller, Peter
PA Agfa-Gevaert A.-G., Ger.
SO Ger. Offen., 25 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

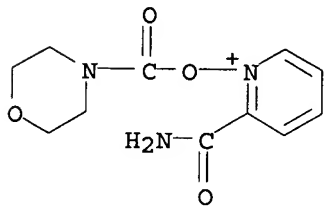
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2408813	A1	19750904	DE 1974-2408813	19740223
	BE 825684	A2	19750819	BE 1975-1006467	19750219
	FR 2262036	A1	19750919	FR 1975-5530	19750221
	FR 2262036	B1	19790420		
	GB 1487283	A	19770928	GB 1975-7333	19750221
	CH 613694	A	19791015	CH 1975-2203	19750221
	CA 1068692	A1	19791224	CA 1975-220553	19750221
PRAI	DE 1974-2408813		19740223		

IT **57845-69-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57845-69-9 CAPLUS

CN Pyridinium, 2-(aminocarbonyl)-1-[(4-morpholinylcarbonyl)oxy]-, perchlorate (9CI) (CA INDEX NAME)

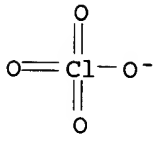
CM 1

CRN 57845-68-8
CMF C11 H14 N3 O4

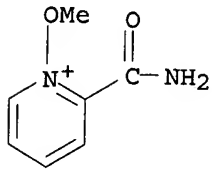


CM 2

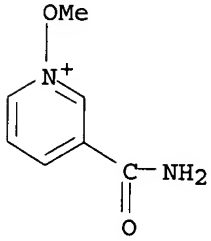
CRN 14797-73-0
CMF Cl O4



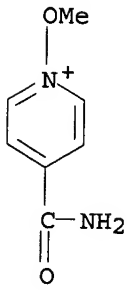
L5 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB Methoxyiminopentadienes MeON:CHC(COR):CHCH:CHR1 (R = NH2, R1 = OAc, piperidino; R = OMe, R1 = pyrrolidino) cyclize in aq. or MeOH soln. to form pyridinium salts I and the pyridinone II. The uv spectra of other, stable, methoxyiminopentadienes and methoxypyridiniums are reported.
AN 1975:443145 CAPLUS
DN 83:43145
TI Reactions of N-alkoxycyclimmonium salts. 3. Stability of 1-methoxyiminopentadiene derivatives
AU Schnekenburger, J.; Heber, D.
CS Pharm. Inst., Univ. Kiel, Kiel, Ger.
SO Arch. Pharm. (Weinheim, Ger.) (1975), 308(3), 225-30
CODEN: ARPMAS
DT Journal
LA German
IT **54212-23-6 54212-29-2 54212-31-6**
RL: PRP (Properties)
(uv spectrum of)
RN 54212-23-6 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-methoxy- (9CI) (CA INDEX NAME)



RN 54212-29-2 CAPLUS
CN Pyridinium, 3-(aminocarbonyl)-1-methoxy- (9CI) (CA INDEX NAME)



RN 54212-31-6 CAPLUS
CN Pyridinium, 4-(aminocarbonyl)-1-methoxy- (9CI) (CA INDEX NAME)

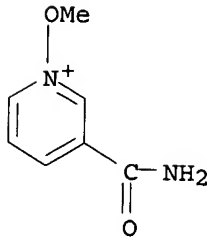


L5 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002 ACS
GI For diagram(s), see printed CA Issue.
AB The N-methoxypyridinium salt I (R = CONH2 R1 = H) with NaOH or aq. NH3 and I (R = CO2H, CO2Me, R1 = H) with aq. NH3 gave the pyridone II. The nitrile I (R = H, R1 = CN) with NaOH gave pyrrolidone III.
AN 1975:156018 CAPLUS
DN 82:156018
TI Reactions of N-alkoxycylic immonium salts. II. Heterocycles from ring-opening reactions of N-methoxypyridinium salts
AU Schnekenburger, J.; Heber, D.
CS Pharm. Inst., Univ. Kiel, Kiel, Ger.
SO Tetrahedron (1974), 30(22), 4055-7
CODEN: TETRAB
DT Journal
LA German
IT **54212-30-5 54212-32-7**
RL: RCT (Reactant)
(rearrangement of, base-catalyzed)
RN 54212-30-5 CAPLUS

CN Pyridinium, 3-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

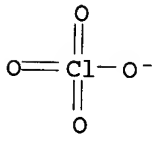
CM 1

CRN 54212-29-2
CMF C7 H9 N2 O2



CM 2

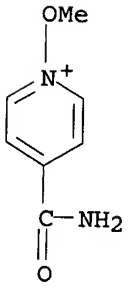
CRN 14797-73-0
CMF Cl O4



RN 54212-32-7 CAPLUS
CN Pyridinium, 4-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

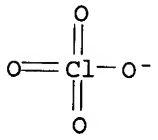
CM 1

CRN 54212-31-6
CMF C7 H9 N2 O2



CM 2

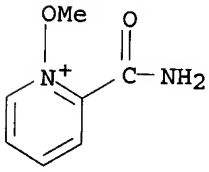
CRN 14797-73-0
CMF Cl O4



L5 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2002 ACS
AB N-Methoxypyridinium salts contg. electroneg. substituents (CN, CO2H, CO2Me, or CONH2) underwent base-induced cleavage in the presence of Ac2O, BzCl, or amines to give stable derivs. of glutacondialdehyde. Thus, MeON:CRCR1:CR2CH:CHR3 (R, R1 = H, CN, or CONH2; R2 = H, CN, CO2Me, or CONH2; R3 = OAc, OBz, NMe2, 1-pyrrolidinyl, or piperidino) were prepd. NMR spectra indicated an all-trans configuration of the conjugated double bonds and the attack of the nucleophiles at the sterically less hindered C-N bond.
AN 1974:569412 CAPLUS
DN 81:169412
TI Reactions of N-alkoxycyclimmonium salts. I. Pentadiene derivatives from N-alkoxypyridinium salts
AU Schnekenburger, Joerg; Heber, Dieter
CS Pharm. Inst., Univ. Kiel, Kiel, Ger.
SO Chem. Ber. (1974), 107(10), 3408-14
CODEN: CHBEAM
DT Journal
LA German
IT **54212-24-7P 54212-30-5P 54212-32-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and ring cleavage of)
RN 54212-24-7 CAPLUS
CN Pyridinium, 2-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 54212-23-6
CMF C7 H9 N2 O2



CM 2

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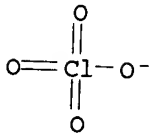
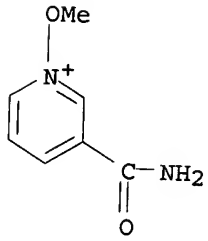
CMF Cl O4



RN 54212-30-5 CAPLUS
CN Pyridinium, 3-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

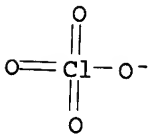
CM 1

CRN 54212-29-2
CMF C7 H9 N2 O2



CM 2

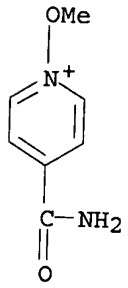
CRN 14797-73-0
CMF Cl O4



RN 54212-32-7 CAPLUS
CN Pyridinium, 4-(aminocarbonyl)-1-methoxy-, perchlorate (9CI) (CA INDEX NAME)

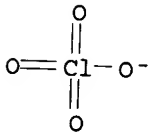
CM 1

CRN 54212-31-6
CMF C7 H9 N2 O2



CM 2

CRN 14797-73-0
CMF Cl O4



=> file beilstein
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	81.77	270.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.15	-11.15

FILE 'BEILSTEIN' ENTERED AT 15:37:39 ON 02 SEP 2002
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licensed to Beilstein Chemiedaten & Software GmbH and MDL Information Systems GmbH

FILE RELOADED ON APRIL 8, 2002

FILE COVERS 1779 TO 2001.
*** FILE CONTAINS 8,128,462 SUBSTANCES ***

>>> For the revised summary sheet please see:
http://info.cas.org/ONLINE/DBSS/beilsteinss.html <<<

>>> PLEASE NOTE: Reaction and substance documents are stored in
different file segments. Use separate queries to search for
reaction and substance data. When searching for bibliographic
information you have the option to chose the file segment.
(Use "/XXX.SUB" to search for a bibliographic term in
substance documents. To restrict the search to reaction
documents use "/XXX.RX".)
For additional information see HELP RXS. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

```
**********************************************************************
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.                *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE   *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE          *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.                        *
* FOR PRICE INFORMATION SEE HELP COST                                *
**********************************************************************

=> s l3
L6            3 L3

=> d abs bib hitstr 1-3
'ABS' IS NOT A VALID FORMAT FOR FILE 'BEILSTEIN'
'BIB' IS NOT A VALID FORMAT FOR FILE 'BEILSTEIN'
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'BEILSTEIN'

The following are valid formats:

QRD --------- Query Related Data (IDE plus HIT)
IDE --------- Identification of Substance, plus Structure
  (BRN, MF, LSF, CN, SY, AUN, MW, SO, NTE, LN, RN, BPR, RSI, OS, STR)
ALL --------- All Display fields (Lengthy display!)
CHE --------- Chemical Data
PHY --------- Physical Data
HIT --------- All fields containing hit terms
Hit terms will be highlighted in all IDE fields in the BEILSTEIN file
A maximum of 20 values are displayed in each single property field.
Use DISPLAY F<prop> for FULL format, e.g. FBP instead of BP.
For more information about display formats, and how to display
individual selected properties, enter 'HELP FORMAT' at an arrow
prompt, e.g. => HELP FORMAT.
ENTER DISPLAY FORMAT (QRD):qrd


L6   ANSWER 1 OF 3 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

     Beilstein Records (BRN):          4135888
     Beilstein Pref. RN (BPR):         54212-23-6
     CAS Reg. No. (RN):                54212-23-6
     Chemical Name (CN):               2-carbamoyl-1-methoxy-pyridinium
     Autonom Name (AUN):               2-carbamoyl-1-methoxy-pyridinium
     Lin. Struct. Formula (LSF):       C7H9N2O2(1+)
     Molec. Formula (MF):              C7 H9 N2 O2
     Molecular Weight (MW):            153.16
     Lawson Number (LN):               26332, 289
     Compound Type (CTYPE):            heterocyclic
     Constitution ID (CONSID):         3702365
     Tautomer ID (TAUTID):             3962108
     Beilstein Citation (BSO):         5-22-02-00042
     Entry Date (DED):                 1991/03/19
     Update Date (DUPD):               1992/06/02
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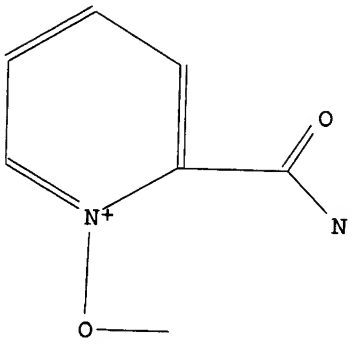
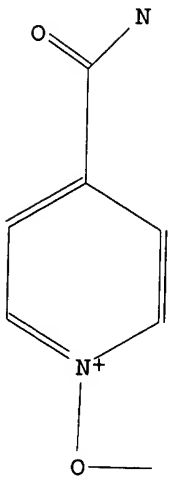


Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AUN	Autonomname	1
LSF	Linearized Structure Formula	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
CDER	Chemical Derivative	1
FINFO	Further Information	1
UVS	UV and Visible Spectrum	1

L6 ANSWER 2 OF 3 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	4134403
Beilstein Pref. RN (BPR):	54212-31-6
CAS Reg. No. (RN):	**54212-31-6**
Chemical Name (CN):	4-carbamoyl-1-methoxy-pyridinium
Autonom Name (AUN):	4-carbamoyl-1-methoxy-pyridinium
Lin. Struct. Formula (LSF):	C7H9N2O2(1+)
Molec. Formula (MF):	C7 H9 N2 O2
Molecular Weight (MW):	153.16
Lawson Number (LN):	26332, 289
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	3702355
Tautomer ID (TAUTID):	3962101
Beilstein Citation (BSO):	5-22-02-00299
Entry Date (DED):	1991/03/19
Update Date (DUPD):	1992/06/02



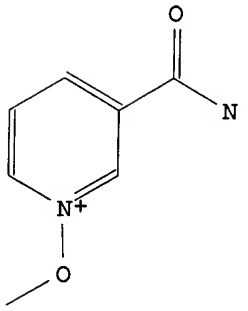
Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AUN	Autonomname	1
LSF	Linearized Structure Formula	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
CDER	Chemical Derivative	1
FINFO	Further Information	1
UVS	UV and Visible Spectrum	1

L6 ANSWER 3 OF 3 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	4134400
Beilstein Pref. RN (BPR):	54212-29-2
CAS Reg. No. (RN):	**54212-29-2**
Chemical Name (CN):	3-carbamoyl-1-methoxy-pyridinium
Autonom Name (AUN):	3-carbamoyl-1-methoxy-pyridinium
Lin. Struct. Formula (LSF):	C7H9N2O2(1+)
Molec. Formula (MF):	C7 H9 N2 O2
Molecular Weight (MW):	153.16
Lawson Number (LN):	26332, 289
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	3702368

Tautomer ID (TAUTID): 3962107
Beilstein Citation (BSO): 5-22-02-00171
Entry Date (DED): 1991/03/19
Update Date (DUPD): 1992/06/02



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
BPR	Beilstein Preferred RN	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AUN	Autonomname	1
LSF	Linearized Structure Formula	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
CDER	Chemical Derivative	1
FINFO	Further Information	1
UVS	UV and Visible Spectrum	1

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	24.12	294.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-11.15

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STRUCTURE FILE UPDATES: 1 SEP 2002 HIGHEST RN 446010-91-9
DICTIONARY FILE UPDATES: 1 SEP 2002 HIGHEST RN 446010-91-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> S 54212-23-6/RN

L7 1 54212-23-6/RN

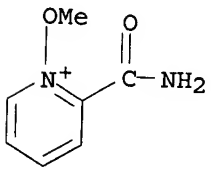
=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L7 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 5.53 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN **54212-23-6** REGISTRY
CN Pyridinium, 2-(aminocarbonyl)-1-methoxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C7 H9 N2 O2
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

Print selected from Online session02/09/2002

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.96	296.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-11.15

FILE 'REGISTRY' ENTERED AT 15:39:30 ON 02 SEP 2002
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DICTIONARY FILE UPDATES: 1 SEP 2002 HIGHEST RN 446010-91-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> S 54212-29-2/RN

L8 1 54212-29-2/RN

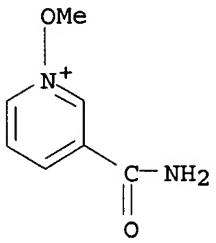
=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L8 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 5.53 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN **54212-29-2** REGISTRY
CN Pyridinium, 3-(aminocarbonyl)-1-methoxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C7 H9 N2 O2
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.96	298.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-11.15

FILE 'REGISTRY' ENTERED AT 15:40:01 ON 02 SEP 2002
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STRUCTURE FILE UPDATES: 1 SEP 2002 HIGHEST RN 446010-91-9
DICTIONARY FILE UPDATES: 1 SEP 2002 HIGHEST RN 446010-91-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> S 54212-31-6/RN

L9 1 54212-31-6/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND

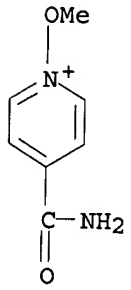
Print selected from Online session02/09/2002

SET COMMAND COMPLETED

=> D L9 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 5.53 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS .
RN **54212-31-6** REGISTRY
CN Pyridinium, 4-(aminocarbonyl)-1-methoxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C7 H9 N2 O2
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> file stnguide
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.96	300.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-11.15

FILE 'STNGUIDE' ENTERED AT 15:40:31 ON 02 SEP 2002
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 30, 2002 (20020830/UP).

10015861.trn02/09/2002

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 09	JAPIO to be reloaded August 25, 2002
NEWS 20	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 21	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 22	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 23	Aug 26	Sequence searching in REGISTRY enhanced

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:26:47 ON 29 AUG 2002

=> file registry
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:27:00 ON 29 AUG 2002
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STRUCTURE FILE UPDATES: 27 AUG 2002 HIGHEST RN 445218-02-0
DICTIONARY FILE UPDATES: 27 AUG 2002 HIGHEST RN 445218-02-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

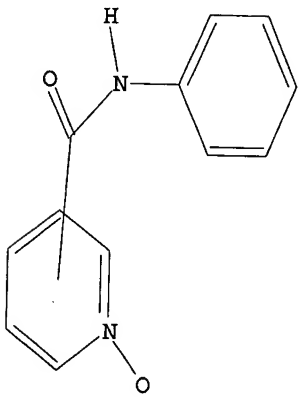
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10015861.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 11:27:18 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 153 TO ITERATE

10015861.trn02/09/2002

100.0% PROCESSED 153 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2318 TO 3802
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 11:27:24 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3457 TO ITERATE

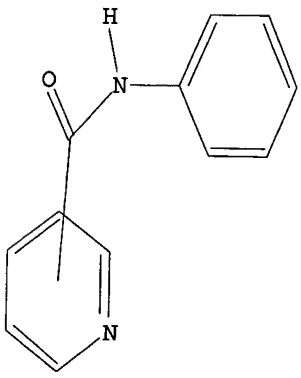
100.0% PROCESSED 3457 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>
Uploading 10015861.str

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4
SAMPLE SEARCH INITIATED 11:28:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 10128 TO ITERATE

9.9% PROCESSED 1000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 196537 TO 208583
PROJECTED ANSWERS: 13539 TO 16845

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L5            50 SEA SSS SAM L4

=> file uspatall
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       141.04     141.25

FILE 'USPATFULL' ENTERED AT 11:29:00 ON 29 AUG 2002
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FILE 'USPAT2' ENTERED AT 11:29:00 ON 29 AUG 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l5
L6            8 L5

=> d abs bib hitstr 1-8

L6   ANSWER 1 OF 8  USPATFULL
AB     Disclosed are a series of heteroaryl-.beta.-alanine derivatives,
       compositions containing them, processes for their preparation and their
       use in medicine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN     2002:165252  USPATFULL
TI     Heteroaryl-beta-alanine derivatives as alpha 4 integrin inhibitors
IN     Konradi, Andrei W., San Francisco, CA, UNITED STATES
       Pleiss, Michael A., Sunnyvale, CA, UNITED STATES
       Thorsett, Eugene D., Half Moon Bay, CA, UNITED STATES
       Ashwell, Susan, Plainsboro, NJ, UNITED STATES
       Welmaker, Gregory S., Jackson, NJ, UNITED STATES
       Kreft, Anthony, Langhorne, PA, UNITED STATES
       Sarantakis, Dimitrios, Newtown, PA, UNITED STATES
       Dressen, Darren B., San Francisco, CA, UNITED STATES
       Grant, Francine S., San Carlos, CA, UNITED STATES
       Semko, Christopher, Fremont, CA, UNITED STATES
       Xu, Ying-Zi, Palo Alto, CA, UNITED STATES
PI     US 2002086882      A1   20020704
AI     US 2001-910431     A1   20010719 (9)
PRAI   US 2000-220128P     20000721 (60)
DT     Utility
FS     APPLICATION
LREP   Gerald F. Swiss, Esq., BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box
       1404, Alexamdria, VA, 22313-1404
CLMN   Number of Claims: 8
ECL    Exemplary Claim: 1
DRWN   No Drawings
LN.CNT 4026
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       (prepn. of heteroaryl-.beta.-alanine derivs. as antiinflammatory agents
       and .alpha.4 integrin inhibitors)

L6   ANSWER 2 OF 8  USPATFULL
AB     Disclosed are a series of phenylalanine derivatives, to compositions
       containing them, to processes for their preparation, and to their use in
       medicine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN     2002:106300  USPATFULL
TI     Phenylalanine derivatives as alpha 4 integrin inhibitors
```

IN Konradi, Andrei W., San Francisco, CA, UNITED STATES
Pleiss, Michael A., Sunnyvale, CA, UNITED STATES
Thorsett, Eugene D., Half Moon Bay, CA, UNITED STATES
Ashwell, Susan, Lexington, MA, UNITED STATES
Welmaker, Gregory S., Jackson, NJ, UNITED STATES
Kreft, Anthony, Langhorne, PA, UNITED STATES
Sarantakis, Dimitrios, Newtown, PA, UNITED STATES
Dressen, Darren B., San Francisco, CA, UNITED STATES
Grant, Francine S., San Carlos, CA, UNITED STATES
Semko, Christopher, Fremont, CA, UNITED STATES
Xu, Ying-Zi, Palo Alto, CA, UNITED STATES
PI US 2002055509 A1 20020509
AI US 2001-910685 A1 20010720 (9)
PRAI US 2000-220134P 20000721 (60)
DT Utility
FS APPLICATION
LREP Gerald F. Swiss, BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3885
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(prepn. of aminoaminocarbonyloxyphenylpropionic acid derivs. as a integrin inhibitors)

L6 ANSWER 3 OF 8 USPATFULL
AB The novel amidino derivatives of the formula (I): ##STR1##

wherein all the symbols are as in specification defined;

have an inhibitory activity of a blood coagulation factor VIIa and are useful for treatment and/or prevention of several angiopathy caused by enhancing a coagulation activity, such as disseminated intravascular coagulation, coronary thrombosis, cerebral infarction, cerebral embolism, transient ischemic attack, cerebrovascular disorders, pulmonary vascular diseases, deep venous thrombosis, peripheral arterial obstruction, thrombosis after artificial vascular transplantation and artificial valve transplantation, post-operative thrombosis, reobstruction and restenosis after coronary artery bypass operation, reobstruction and restenosis after PTCA or PTCR, thrombosis by extracorporeal circulation and procoagulative diseases such as glomerlonephriitis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:57794 USPATFULL
TI Amidino derivatives and drugs containing the same as the active ingredient
IN Senokuchi, Kazuhiko, Osaka, JAPAN
Ogawa, Koji, Osaka, JAPAN
PA Ono Pharmaceutical Co., Ltd., Osaka, JAPAN (non-U.S. corporation)
PI US 6358960 B1 20020319
WO 9941231 19990819
AI US 2000-601998 20000811 (9)
WO 1999-JP622 19990212
20000811 PCT 371 date
PRAI JP 1998-76815 19980217
DT Utility
FS GRANTED
EXNAM Primary Examiner: Davis, Zinna Northington

LREP Stevens, Davis, Miller & Mosher, L.L.P.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 9667
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(prepn. of amidinophenylcarbamoylbiphenyl derivs. and heterocyclic analogs thereof as inhibitors of blood coagulation factor VIIa)

L6 ANSWER 4 OF 8 USPATFULL
AB Phenylalanine derivatives of formula (1) are described: ##STR1##

in which:

Ar.sup.1 is an aromatic or heteroaromatic group;

L.sup.1 is a linker atom or group;

R is a carboxylic acid or a derivative thereof;

Ar.sup.2 is an optionally substituted aromatic or heteroaromatic group; and the salts, solvates, hydrates and N-oxides thereof.

The compounds are able to inhibit the binding of .alpha.4 integrins to their ligands and are of use in the prophylaxis and treatment of immune or inflammatory disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:48620 USPATFULL
TI Phenylalanine derivatives
IN Head, John Clifford, Maidenhead, UNITED KINGDOM
Porter, John Robert, Chinnor, UNITED KINGDOM
Warrellow, Graham John, Northwood, UNITED KINGDOM
Archibald, Sarah Catherine, Maidenhead, UNITED KINGDOM
Hutchinson, Brian Woodside, Burnham, UNITED KINGDOM
PI US 2002028812 A1 20020307
AI US 2001-927874 A1 20010810 (9)
RLI Division of Ser. No. US 1999-406560, filed on 27 Sep 1999, PENDING
PRAI GB 1998-21061 19980928
DT Utility
FS APPLICATION
LREP Francis A. Paintin, Esq., WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS, 46th Floor, One Liberty Place, Philadelphia, PA, 19103
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3120
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(prepn. of phenylalanine derivs. as alpha 4 integrin inhibitors)

L6 ANSWER 5 OF 8 USPATFULL
AB Phenylalanine derivatives of formula (1) are described: ##STR1##

in which:

Ar.sup.1 is an aromatic or heteroaromatic group;

L.sup.1 is a linker atom or group;

R is a carboxylic acid or a derivative thereof;

Ar.sup.2 is an optionally substituted aromatic or heteroaromatic group;

and the salts, solvates, hydrates and N-oxides thereof.

The compounds are able to inhibit the binding of .alpha.4 integrins to their ligands and are of use in the prophylaxis and treatment of immune or inflammatory disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:34436 USPATFULL
TI Phenylalanine derivatives
IN Head, John Clifford, Maidenhead, UNITED KINGDOM
Porter, John Robert, Chinnor, UNITED KINGDOM
Warrellow, Graham John, Northwood, UNITED KINGDOM
Archibald, Sarah Catherine, Maidenhead, UNITED KINGDOM
Hutchinson, Brian Woodside, Burnham, UNITED KINGDOM
PA Celltech Therapeutics Limited, UNITED KINGDOM (non-U.S. corporation)
PI US 6348463 B1 20020219
AI US 1999-406560 19990927 (9)
PRAI GB 1998-21061 19980928
DT Utility
FS GRANTED
EXNAM Primary Examiner: Raymond, Richard L.; Assistant Examiner: Balasubramanian, Venkataraman
LREP Woodcock Washburn Kurtz Mackiewicz & Norris LLP
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 3335
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(prepn. of phenylalanine derivs. as alpha 4 integrin inhibitors)

L6 ANSWER 6 OF 8 USPATFULL
AB This invention relates to a family of diacyl benzimidazole analogs, which are inhibitors of the IgE response to allergens. These compounds are useful in the treatment of allergy and/or asthma or any diseases where IgE is pathogenic.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2001:179137 USPATFULL
TI Benzimidazole derivatives as modulators of IgE
IN Sircar, Jagadish C., San Diego, CA, United States
Richards, Mark L., La Jolla, CA, United States
Campbell, Michael G., Durham, NC, United States
Major, Michael W., Glendale, WI, United States
PA Avanir Pharmaceuticals, San Diego, CA, United States (U.S. corporation)
PI US 6303645 B1 20011016
AI US 1999-422397 19991021 (9)
RLI Continuation-in-part of Ser. No. US 1999-316870, filed on 21 May 1999, now patented, Pat. No. US 6271390
PRAI US 1998-86494P 19980521 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Jarvis, William R. A.
LREP Knobbe, Martens, Olson & Bear, LLP
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 705

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reactant; synthesis of diacylbenzimidazole derivs. as modulators of IgE)

L6 ANSWER 7 OF 8 USPATFULL
AB Disclosed is a photographic element comprising a light-sensitive silver halide emulsion layer having associated therewith a cyan "NB coupler" having the formula (I): ##STR1##

wherein:

the term "NB coupler" represents a coupler of formula (I) that forms a dye for which the left bandwidth (LBW) using spin-coating is at least 5 nm less than that of the same dye in solution form;

Y is H or a coupling-off group;

each Z" and Z* is an independently selected substituent group where n is 0 to 4 and p is 0 to 2;

W.sup.2 represents the atoms necessary to complete a heterocyclic ring group; and

V is a sulfone or sulfoxide containing group;

provided that the combined sum of the aliphatic carbon atoms in V, all Z" and all Z* is at least 8. The element exhibits improved cyan dye hue.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2001:133983 USPATFULL
TI Photographic element, compound, and process
IN Begley, William J., Webster, NY, United States
Coms, Frank D., Fairport, NY, United States
Russo, Gary M., Rochester, NY, United States
PI US 2001014432 A1 20010816
AI US 2001-781645 A1 20010212 (9)
RLI Continuation of Ser. No. US 1999-473933, filed on 28 Dec 1999, GRANTED, Pat. No. US 6197492
DT Utility
FS APPLICATION
LREP Sarah Meeks Roberts, Patent Legal Staff, Eastman Kodak Company, 343 State Street, Rochester, NY, 14650-2201
CLMN Number of Claims: 43
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1386
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(cyan dye-forming coupler in photog. emulsions)

L6 ANSWER 8 OF 8 USPATFULL
AB Disclosed is a photographic element comprising a light-sensitive silver halide emulsion layer having associated therewith a cyan "NB coupler" having the formula (I): wherein: ##STR1##

the term "NB coupler" represents a coupler of formula (I) that forms a dye for which the left bandwidth (LBW) using spin-coating is at least 5nm less than that of the same dye in solution form;

Y is H or a coupling-off group;

each Z" and Z* is an independently selected substituent group where n is 0 to 4 and p is 0 to 2;

W2 represents the atoms necessary to complete a heterocyclic ring group; and

V is a sulfone or sulfoxide containing group;

provided that the combined sum of the aliphatic carbon atoms in V, all Z" and all Z* is at least 8. The element exhibits improved cyan dye hue.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2001:32989 USPATFULL
TI Photographic element, compound, and process
IN Begley, William J., Webster, NY, United States
Coms, Frank D., Fairport, NY, United States
Russo, Gary M., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 6197492 B1 20010306
AI US 1999-473933 19991228 (9)
DT Utility
FS Granted
EXNAM Primary Examiner: Letscher, Geraldine
LREP Kluegel, Arthur E.
CLMN Number of Claims: 43
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1368
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(cyan dye-forming coupler in photog. emulsions)

=> s l4 ful
SUBSTANCE QUERIES NOT VALID IN THIS FILE
SUBSTANCE QUERIES NOT VALID IN THIS FILE
The logic expression entered contains L#s or saved query names which correspond to structures built by the STRUCTURE command or to screen sets. These must be searched in a substance file such as the REGISTRY file. In some files you may use a Registry Number answer set from a structure search as a search term or profile in some bibliographic file containing Registry Numbers, e.g. the CA file. For an explanation, enter "HELP CROSSOVER" at an arrow prompt (=>).

=> file registry
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	21.71	162.96

FILE 'REGISTRY' ENTERED AT 11:30:37 ON 29 AUG 2002
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STRUCTURE FILE UPDATES: 27 AUG 2002 HIGHEST RN 445218-02-0
DICTIONARY FILE UPDATES: 27 AUG 2002 HIGHEST RN 445218-02-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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=> d his

     (FILE 'HOME' ENTERED AT 11:26:47 ON 29 AUG 2002)

     FILE 'REGISTRY' ENTERED AT 11:27:00 ON 29 AUG 2002
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L2              0 S L1
L3              0 S L1 FUL
L4                STRUCTURE UPLOADED
L5             50 S L4

     FILE 'USPATFULL, USPAT2' ENTERED AT 11:29:00 ON 29 AUG 2002
L6              8 S L5

     FILE 'REGISTRY' ENTERED AT 11:30:37 ON 29 AUG 2002

=> s l4 ful
FULL SEARCH INITIATED 11:30:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 201481 TO ITERATE

100.0% PROCESSED  201481 ITERATIONS                              16914 ANSWERS
SEARCH TIME: 00.00.04

L7         16914 SEA SSS FUL L4

=> d  1-10

L7   ANSWER 1 OF 16914  REGISTRY  COPYRIGHT 2002 ACS
RN   445031-31-2  REGISTRY
CN   4-Quinolinecarboxamide, N-(4-chloro-2-fluorophenyl)-2-(3-chlorophenyl)-3-
     methyl- (9CI)  (CA INDEX NAME)
MF   C23 H15 Cl2 F N2 O
SR   Chemical Library
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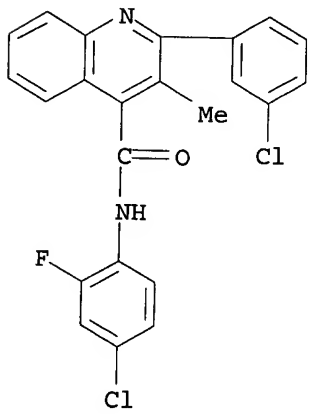
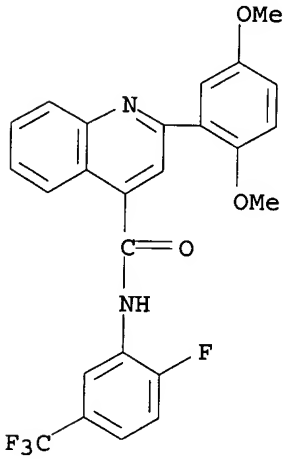


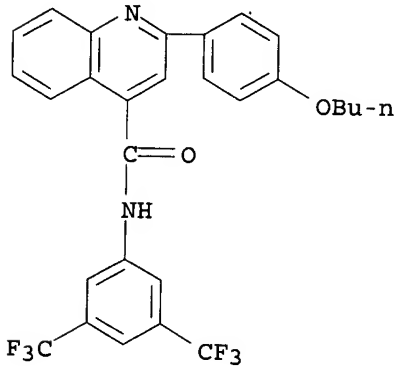
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 2 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445031-27-6 REGISTRY
CN 4-Quinolinecarboxamide, 2-(2,5-dimethoxyphenyl)-N-[2-fluoro-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)
MF C25 H18 F4 N2 O3
SR Chemical Library



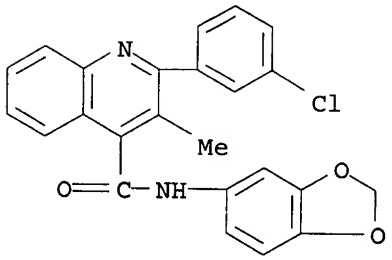
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 3 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445031-24-3 REGISTRY
CN 4-Quinolinecarboxamide, N-[3,5-bis(trifluoromethyl)phenyl]-2-(4-butoxyphenyl)- (9CI) (CA INDEX NAME)
MF C28 H22 F6 N2 O2
SR Chemical Library



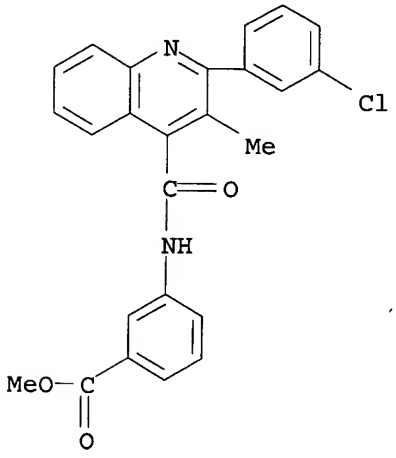
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 4 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445031-11-8 REGISTRY
CN 4-Quinolinecarboxamide, N-1,3-benzodioxol-5-yl-2-(3-chlorophenyl)-3-methyl- (9CI) (CA INDEX NAME)
MF C24 H17 Cl N2 O3
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

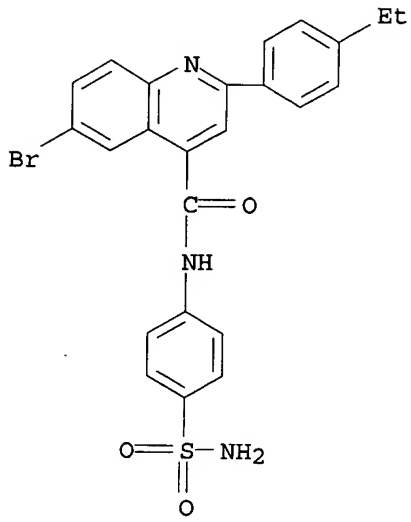
L7 ANSWER 5 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445031-08-3 REGISTRY
CN Benzoic acid, 3-[[[2-(3-chlorophenyl)-3-methyl-4-quinolinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)
MF C25 H19 Cl N2 O3
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

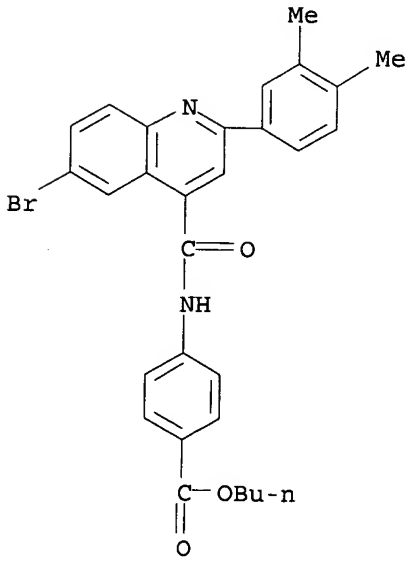
L7 ANSWER 6 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445031-07-2 REGISTRY
CN 4-Quinolinecarboxamide, N-[4-(aminosulfonyl)phenyl]-6-bromo-2-(4-ethylphenyl)- (9CI) (CA INDEX NAME)
MF C24 H20 Br N3 O3 S

SR Chemical Library



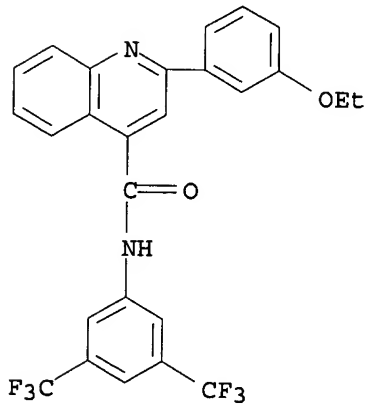
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 7 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445031-06-1 REGISTRY
CN Benzoic acid, 4-[[[6-bromo-2-(3,4-dimethylphenyl)-4-quinolinyl]carbonyl]amino]-, butyl ester (9CI) (CA INDEX NAME)
MF C29 H27 Br N2 O3
SR Chemical Library



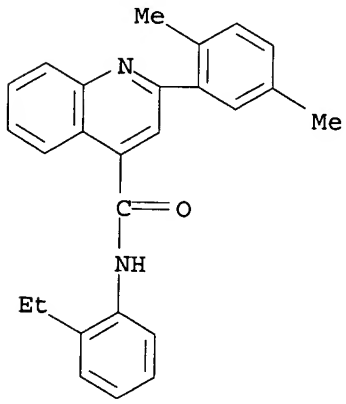
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 8 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445030-92-2 REGISTRY
CN 4-Quinolinecarboxamide, N-[3,5-bis(trifluoromethyl)phenyl]-2-(3-ethoxyphenyl)- (9CI) (CA INDEX NAME)
MF C26 H18 F6 N2 O2
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

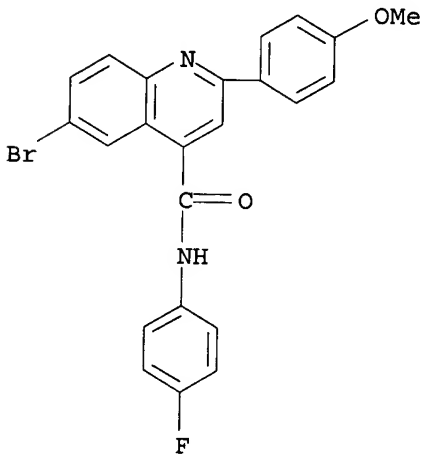
L7 ANSWER 9 OF 16914 REGISTRY COPYRIGHT 2002 ACS
RN 445030-90-0 REGISTRY
CN 4-Quinolinecarboxamide, 2-(2,5-dimethylphenyl)-N-(2-ethylphenyl)- (9CI) (CA INDEX NAME)
MF C26 H24 N2 O
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L7 ANSWER 10 OF 16914 REGISTRY COPYRIGHT 2002 ACS

RN 445030-89-7 REGISTRY
CN 4-Quinolinecarboxamide, 6-bromo-N-(4-fluorophenyl)-2-(4-methoxyphenyl)-
(9CI) (CA INDEX NAME)
MF C23 H16 Br F N2 O2
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	156.46	319.42

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=> d his

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FILE 'REGISTRY' ENTERED AT 11:27:00 ON 29 AUG 2002
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 0 S L1 FUL
L4 STRUCTURE UPLOADED
L5 50 S L4

FILE 'USPATFULL, USPAT2' ENTERED AT 11:29:00 ON 29 AUG 2002
L6 8 S L5

FILE 'REGISTRY' ENTERED AT 11:30:37 ON 29 AUG 2002
L7 16914 S L4 FUL

FILE 'USPATFULL, USPAT2' ENTERED AT 11:31:56 ON 29 AUG 2002

```
=> s l7
   1 FILES SEARCHED...
L8          692 L7

=> d abs bib fhitstr 600-610

L8   ANSWER 600 OF 692  USPATFULL
AB     Novel compounds of the formula ##STR1## wherein X is in the 5,6,7 or 8
       position and is selected from the group consisting of hydrogen, halogen,
       alkyl of 1 to 5 carbon atoms, alkoxy of 1 to 4 carbon atoms, CF.sub.3
       O--, CF.sub.3 S-- and CF.sub.3 -, R.sub.1 ' is selected from the group
       consisting of hydrogen and alkyl of 1 to 4 carbon atoms, R.sub.2 ' is
       selected from the group consisting of hydrogen or an optionally
       unsaturated ring able to contain one or more heteroatoms of the group
       consisting of --S--, --O-- and --N-- optionally substituted with one or
       more members of the group consisting of (a) halogens, (b) alkyl of 1 to
       4 carbon atoms optionally substituted with NH.sub.2, --NHAlK or
       --N--(AlK).sub.2 and AlK is alkyl of 1 to 3 carbon atoms, (c) phenyl,
       (d) alkoxy of 1 to 4 carbon atoms, (e) --OH, (f) --CF.sub.3 and (g)
       --NO.sub.2 or R.sub.1 ' and R.sub.2 ' together with the nitrogen atom to
       which they are attached form an optionally unsaturated ring, the said
       ring then being connected to the nitrogen atom by a double bond, R.sub.3
       is selected from the group consisting of hydrogen, halogen and alkyl of
       1 to 4 carbon atoms, R.sub.4 is selected from the group consisting of
       hydrogen and halogen, R.sub.5 is a halogen with the proviso that
       R.sub.3, R.sub.4 and R.sub.5 can not all be fluorine and R.sub.6 is
       selected from the group consisting of hydrogen, alkyl of 1 to 8 carbon
       atoms and an acyl of an organic carboxylic acid of 2 to 8 carbon atoms
       and their non-toxic, pharmaceutically acceptable acid addition salts and
       their salts with non-toxic, pharmaceutically acceptable bases having a
       remarkable analgesic activity, a very weak anti-inflammatory activity
       and a good tolerance by the gastrointestinal system and their
       preparation and their intermediates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN     85:30102  USPATFULL
TI     Benzoxazine-4-one intermediates
IN     Allais, Andre, Gagny, France
       Clemence, Francois, Paris, France
       Deraedt, Roger, Pavillons S/S Bois, France
       Lemartret, Odile, Paris, France
PA     Roussel Uclaf, Paris, France (non-U.S. corporation)
PI     US 4518775              19850521
AI     US 1983-495475          19830517 (6)
RLI    Division of Ser. No. US 1981-262952, filed on 12 May 1981, now patented,
       Pat. No. US 4397856
PRAI   FR 1980-11100       19800519
DT     Utility
FS     Granted
EXNAM  Primary Examiner: Raymond, Richard L.
LREP   Muserlian, Charles A.
CLMN   Number of Claims: 1
ECL    Exemplary Claim: 1
DRWN   No Drawings
LN.CNT 651
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       (reactions of, with benzoxazinones)

L8   ANSWER 601 OF 692  USPATFULL
AB     This invention relates to 5-(phenyl)-2(1H)-pyrazinones substituted in
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the 4-position of the phenyl ring by a nitro group, and to a process for their preparation. These compounds are useful intermediates in the synthesis of inotropic compounds. One specific compound is 5-(4-nitrophenyl)-2(1H)-pyrazinone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 85:25579 USPATFULL
TI 5-(4-Nitrophenyl)-2(1H)-pyrazinones
IN Coates, William J., Welwyn Garden City, England
PA Smith Kline & French Laboratories Limited, Welwyn Garden City, England (non-U.S. corporation)
PI US 4514568 19850430
AI US 1983-500484 19830602 (6)
PRAI GB 1982-16437 19820605
GB 1983-476 19830108
DT Utility
FS Granted
EXNAM Primary Examiner: Berch, Mark L.; Assistant Examiner: Teoli, Jr., William A.
LREP Lentz, Edward T., Williams, Janice E., Lourie, Alan D.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 189
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(redn. of)

L8 ANSWER 602 OF 692 USPATFULL
AB Nondiffusible compounds capable of releasing at least one diffusible magenta dye moiety having the formula: ##STR1## wherein: (a) X represents the atoms necessary to complete a 5- or 6-membered heterocyclic ring;

(b) Y represents the atoms necessary to complete a 5- or 6-membered heterocyclic fused ring;

(c) CAR represents a ballasted carrier moiety capable of releasing the diffusible magenta dye moiety as a function of development of a silver halide emulsion layer under alkaline conditions;

(d) R represents a hydroxy group, a salt thereof, or a hydrolyzable precursor thereof, or CAR which is linked to the dye moiety through an oxygen atom thereon; and

(e) n is 0, 1 or 2, with the proviso that when n is 0, then R is CAR which is linked to the dye moiety through an oxygen atom thereon.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 85:4670 USPATFULL
TI Non-diffusible magenta compound capable of releasing a 4-(2-heterocyclazo)phenol having a heterocyclic ring fused thereto
IN Evans, Steven, Rochester, NY, United States
Elwood, James K., Victor, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 4495099 19850122
AI US 1983-504692 19830615 (6)
RLI Division of Ser. No. US 1983-458499, filed on 17 Jan 1983, now patented, Pat. No. US 4420550, issued on 13 Dec 1983 which is a continuation-in-part of Ser. No. US 1982-380843, filed on 21 May 1982, now abandoned

DT Utility
FS Granted
EXNAM Primary Examiner: Higel, Floyd D.
LREP Cole, Harold E.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1130
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reaction of, in prepn. of photog. dye image-providing compd.)

L8 ANSWER 603 OF 692 USPATFULL
AB Aniline derivatives of the general formula: ##STR1## wherein X represents a halogen atom or a lower alkyl, lower alkoxy, lower alkenyl, lower alkenyloxy, lower alkyl substituted by one or more halogen atoms, nitro or cyano group or an amino group unsubstituted or substituted by one or two lower alkyl groups, which may be the same or different, or by a group --CO--R.sup.1 (wherein R.sup.1 represents a lower alkyl, lower alkoxy, mono (lower) alkylamino group or di (lower) alkylamino group wherein the lower alkyl groups may be the same or different), n represents 0 or an integer from 1 to 5 inclusive, it being understood that when n represents an integer from 2 to 5 inclusive, atoms or groups represented by X may be the same or different, and Q represents a group of the general formula: ##STR2## wherein R.sup.2 and R.sup.3 may be the same or different and each represents a hydrogen atom or a lower alkyl group, and R.sup.4 represents a cyano group or a group --COR.sup.5, wherein R.sup.5 represents a hydroxy or OR.sup.6 group, wherein R.sup.6 represents a lower alkyl group and, when R.sup.5 represents a hydroxy group, agriculturally-acceptable inorganic and organic salt thereof, and, when Q represents a group of general formula IIB, wherein R.sup.2, R.sup.3 and R.sup.4 are as hereinbefore defined, agriculturally acceptable acid addition salts thereof possess useful herbicidal properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 85:3197 USPATFULL
TI N-Phenylcarbamoyl-pyridine compounds
IN de Reinach Hirtzbach, Francois, Lyons, France
Ambrosi, Dominique, Charbonnieres les Bains, France
PA Rhone-Poulenc Agrochimie, Lyons, France (non-U.S. corporation)
PI US 4493729 19850115
AI US 1981-283136 19810714 (6)
PRAI FR 1980-15993 19800716
FR 1980-15994 19800716
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Burns, Doane, Swecker & Mathis
CLMN Number of Claims: 15
ECL Exemplary Claim: 1,7
DRWN No Drawings
LN.CNT 831
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(prepn. of)

L8 ANSWER 604 OF 692 USPATFULL
AB Disclosed are e.g. 2-aryl-pyrazolo[4,3-c][1,6]naphthyridin-3(5H)-ones, 2-aryl-thieno[2,3-b]pyrazolo[4,3-d]pyridin-3(5H)-ones, 2-aryl-pyrazolo[4,3-c][1,7]naphthyridin-3(5H)-ones, useful as benzodiazepine receptor modulators.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 84:60907 USPATFULL
TI Heterocycle-fused pyrazolo[3,4-d]pyridin-3-ones as benzodiazepine receptor modulators
IN Yokoyama, Naokata, Cliffside, NJ, United States
PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)
PI US 4479955 19841030
AI US 1983-457105 19830110 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Schwartz, Richard A.
LREP Gruenfeld, Norbert
CLMN Number of Claims: 14
ECL Exemplary Claim: 1,14
DRWN No Drawings
LN.CNT 912
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reaction with oxalyl chloride and cyclocondensation of, with phenylhydrazine)

L8 ANSWER 605 OF 692 USPATFULL
AB A 1-(4-aminobenzyl)-2,3-dioxopiperazine derivative represented by the formula: ##STR1## and an acid addition salt thereof have excellent carcinostatic activity but a low toxicity. Therefore, said compounds are useful as medicines and also as intermediates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 84:58399 USPATFULL
TI 1-(4-Aminobenzyl)-2,3-dioxopiperazine derivatives, acid addition salts thereof and process for producing same
IN Hori, Takako, Toyama, Japan
Yoshida, Chosaku, Takaoka, Japan
Kiba, Yasuo, Toyama, Japan
Takeno, Ryuko, Toyama, Japan
Nakano, Joji, Toyama, Japan
Nitta, Jun, Namekawa, Japan
Kishimoto, Sumiko, Toyama, Japan
Murakami, Shohachi, Toyama, Japan
Tsuda, Hisatsugu, Toyama, Japan
Saikawa, Isamu, Toyama, Japan
PA Toyama Chemical Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 4477666 19841016
AI US 1982-348272 19820212 (6)
RLI Division of Ser. No. US 1980-169457, filed on 16 Jul 1980, now patented, Pat. No. US 4436921
PRAI JP 1979-93234 19790724
DT Utility
FS Granted
EXNAM Primary Examiner: Daus, Donald G.; Assistant Examiner: Gibson, S. A.
LREP Oblon, Fisher, Spivak, McClelland & Maier
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1495
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reductive alkylation of, with diethylaminobenzaldehyde)

L8 ANSWER 606 OF 692 USPATFULL
AB A 1-(4-aminobenzyl)-2,3-dioxopiperazine derivative represented by the

formula: ##STR1## and an acid addition salt thereof have excellent carcinostatic activity but a low toxicity. Therefore, said compounds are useful as medicines and also as intermediates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 84:58397 USPATFULL
TI Novel 1-(4-piperidiniobenzyl)-2,3-dioxopiperazine derivatives or acid addition salts thereof
IN Hori, Takako, Toyama, Japan
Yoshida, Chosaku, Takaoka, Japan
Kiba, Yasuo, Toyama, Japan
Takeno, Ryuko, Toyama, Japan
Nakano, Joji, Toyama, Japan
Nitta, Jun, Namekawa, Japan
Kishimoto, Sumiko, Toyama, Japan
Murakami, Shohachi, Toyama, Japan
Tsuda, Hisatsugu, Toyama, Japan
Saikawa, Isamu, Toyama, Japan
PA Toyama Chemical Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 4477664 19841016
AI US 1982-351256 19820222 (6)
RLI Division of Ser. No. US 1980-169457, filed on 16 Jul 1980
PRAI JP 1979-93234 19790724
DT Utility
FS Granted
EXNAM Primary Examiner: Daus, Donald G.; Assistant Examiner: Gibson, S. A.
LREP Oblon, Fisher, Spivak, McClelland & Maier
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1497
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reductive alkylation of, with diethylaminobenzaldehyde)

L8 ANSWER 607 OF 692 USPATFULL
AB This invention relates to a method of inducing tillering in cereal plants using certain 5-phenyl-3-pyridinecarboxylate compounds, to certain of the compounds themselves, to a process for preparing these compounds, and to agricultural compositions containing them. The compounds are also useful as intermediates for preparing other of the compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 84:53824 USPATFULL
TI Method for inducing tillering utilizing certain pyridine-1-oxides
IN Hawkins, Alan F., Woodley, England
Pearson, David P. J., Woodley, England
Stacey, Gilbert J., Peel Hall, England
PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)
PI US 4473395 19840925
AI US 1982-379047 19820517 (6)
PRAI GB 1981-15251 19810519
GB 1981-15252 19810519
GB 1981-24941 19810814
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Cushman, Darby & Cushman
CLMN Number of Claims: 9
ECL Exemplary Claim: 1,5

DRWN No Drawings
LN.CNT 768
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reaction of, with DMF)

L8 ANSWER 608 OF 692 USPATFULL
AB A 1-(4-aminobenzyl)-2,3-dioxopiperazine derivative represented by the formula: ##STR1## and an acid addition salt thereof have excellent carcinostatic activity but a low toxicity. Therefore, said compounds are useful as medicines and also as intermediates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 84:40195 USPATFULL
TI 1-(4-Aminobenzyl)-2,3-dioxopiperazine derivatives, acid addition salts thereof and process for producing same
IN Hori, Takako, Toyama, Japan
Yoshida, Chosaku, Takaoka, Japan
Kiba, Yasuo, Toyama, Japan
Takeno, Ryuko, Toyama, Japan
Nakano, Joji, Toyama, Japan
Nitta, Jun, Namekawa, Japan
Kishimoto, Sumiko, Toyama, Japan
Murakami, Shohachi, Toyama, Japan
Tsuda, Hisatsugu, Toyama, Japan
Saikawa, Isamu, Toyama, Japan
PA Toyama Chemical Company, Limited, Tokyo, Japan (non-U.S. corporation)
PI US 4460774 19840717
AI US 1982-348271 19820212 (6)
RLI Division of Ser. No. US 1980-169457, filed on 16 Jul 1980
PRAI JP 1979-93234 19790724
DT Utility
FS Granted
EXNAM Primary Examiner: Daus, Donald G.; Assistant Examiner: Gibson, S. A.
LREP Oblon, Fisher, Spivak, McClelland & Maier
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1531
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reductive alkylation of, with diethylaminobenzaldehyde)

L8 ANSWER 609 OF 692 USPATFULL
AB Novel 3-quinoline-carboxamides of the formula ##STR1## wherein R is in 6 or 7-position and is selected from the group consisting of hydrogen, halogen, alkyl of 1 to 6 carbon atoms, cycloalkyl of 3 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, --CF.sub.3, --SCF.sub.3 and CH.sub.3 S--, R.sub.1 is selected from the group consisting of hydrogen, alkyl of 1 to 6 carbon atoms, phenyl and benzyl, R.sub.2 is --NHR.sub.4, R.sub.4 is selected from the group consisting of alkyl of 2 to 6 carbon atoms, substituted aryl of 6 to 10 carbon atoms and substituted heterocycle of an aromatic character of 3 to 5 carbon atoms with the proviso that when R.sub.4 is a mono substituted aryl or heterocycle, the substituent is different from R of the quinoline when it is a halogen and R.sub.3 is selected from the group consisting of hydrogen and --OH and their non-toxic, pharmaceutically acceptable acid addition salts having remarkable anxiolytic properties capable of lessening emotional reactions and diminishing states of psychic tension and their preparation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 84:28778 USPATFULL
TI 3-Quinoline carboxamides having anxiolytic activity
IN Le Martret, Odile, Paris, France
Humbert, Daniel, Fontenay-sous-Bois, France
Hunt, Peter F., Gonesse, France
PA Roussel Uclaf, Paris, France (non-U.S. corporation)
PI US 4450167 19840522
AI US 1982-398575 19820715 (6)
PRAI FR 1981-13957 19810717
DT Utility
FS Granted
EXNAM Primary Examiner: Daus, Donald G.; Assistant Examiner: Rivers, Diana G.
LREP Muserlian, Charles A.
CLMN Number of Claims: 16
ECL Exemplary Claim: 1,5,9
DRWN No Drawings
LN.CNT 521
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(prepn. of)

L8 ANSWER 610 OF 692 USPATFULL
AB A 1-(4-aminobenzyl)-2,3-dioxopiperazine derivative represented by the formula: ##STR1## and an acid addition salt thereof have excellent carcinostatic activity but a low toxicity. Therefore, said compounds are useful as medicines and also as intermediates.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 84:27475 USPATFULL
TI 4-[4-(Thiazolyl-amino)benzyl]-2,3-dioxopiperazine derivatives, acid addition salts thereof and process for producing same
IN Hori, Takako, Toyama, Japan
Yoshida, Chosaku, Takaoka, Japan
Kiba, Yasuo, Toyama, Japan
Takeno, Ryuko, Toyama, Japan
Nakano, Joji, Toyama, Japan
Nitta, Jun, Namekawa, Japan
Kishimoto, Sumiko, Toyama, Japan
Murakami, Shohachi, Toyama, Japan
Tsuda, Hisatsugu, Toyama, Japan
Saikawa, Isamu, Toyama, Japan
PA Toyama Chemical Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 4448963 19840515
AI US 1982-351257 19820222 (6)
RLI Division of Ser. No. US 1980-169457, filed on 16 Jul 1980
PRAI JP 1979-93234 19790724
DT Utility
FS Granted
EXNAM Primary Examiner: Daus, Donald G.; Assistant Examiner: Gibson, S. A.
LREP Oblon, Fisher, Spivak, McClelland & Maier
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1489
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
(reductive alkylation of, with diethylaminobenzaldehyde)

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http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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